

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
1 OF 45

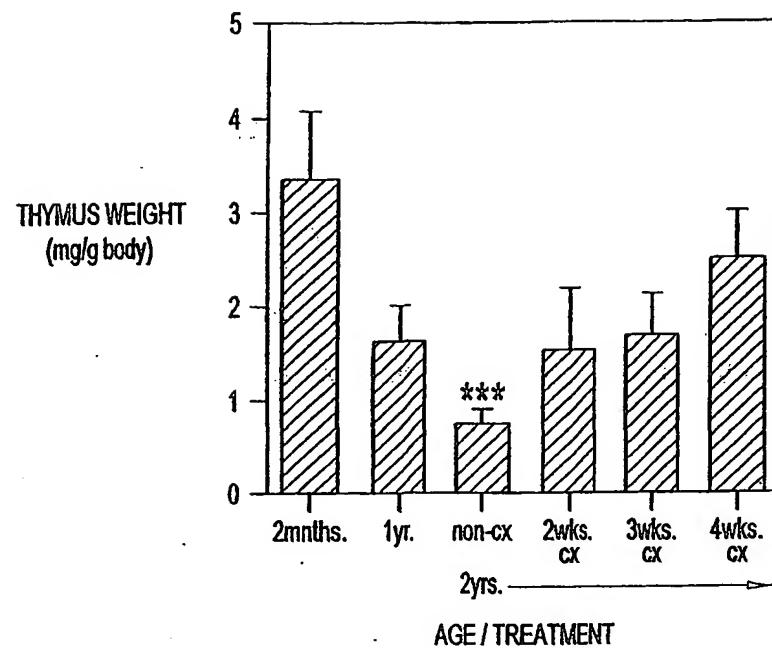


Figure 1A

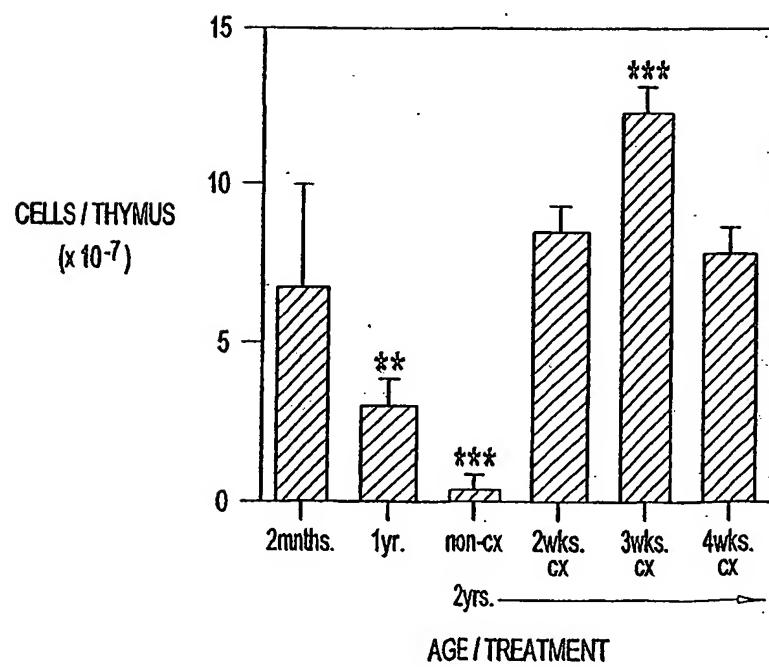


Figure 1B

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
2 OF 45

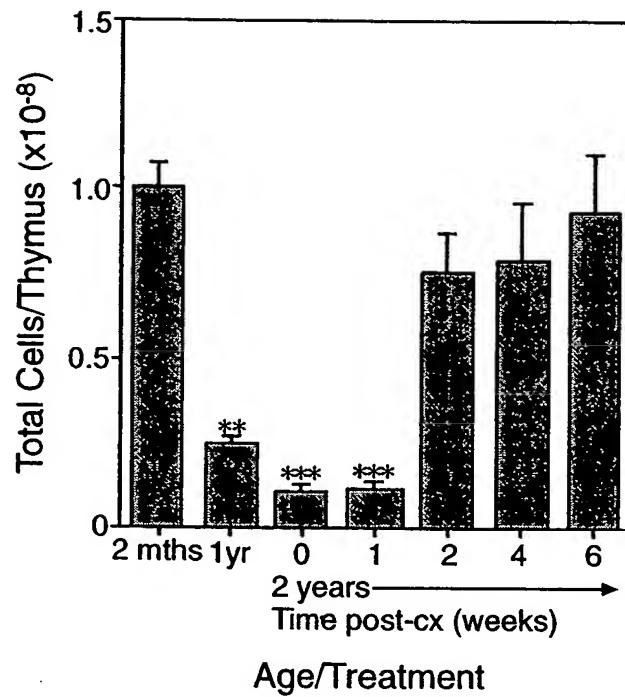


FIGURE 1 C

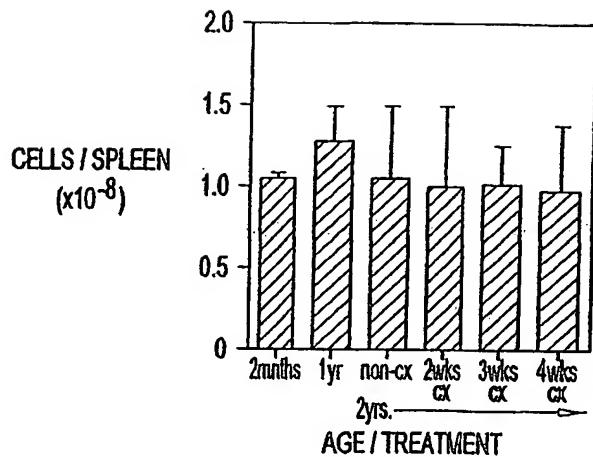


Figure 2A

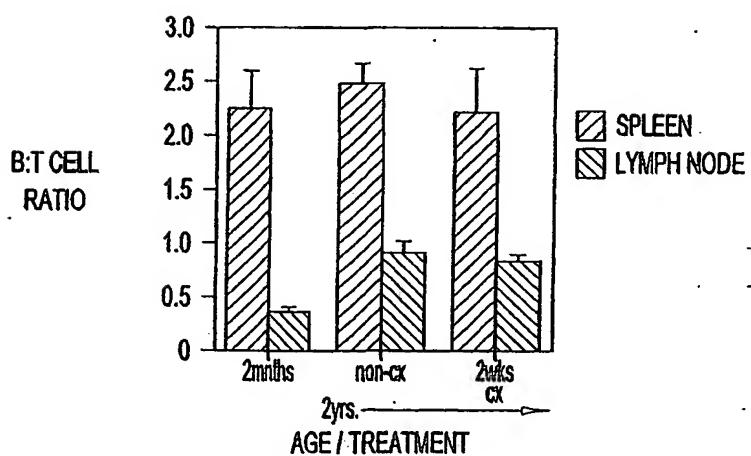


Figure 2c

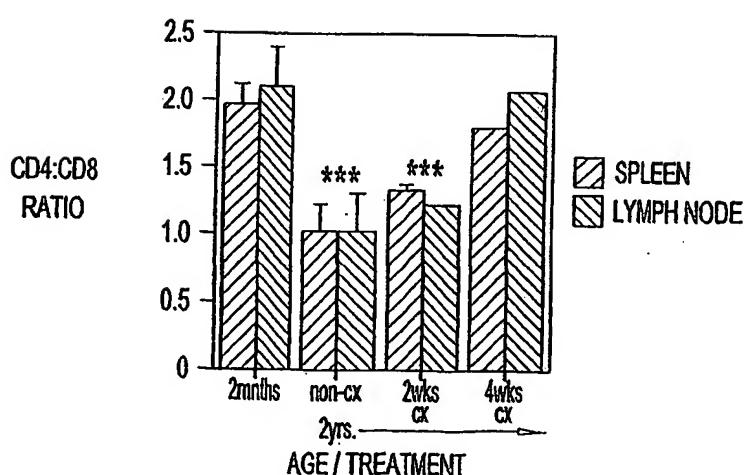


Figure 2e

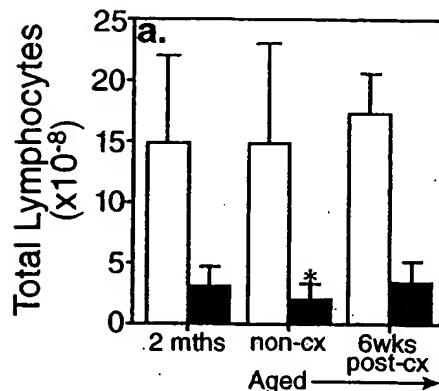


Figure 2B



Figure 2D

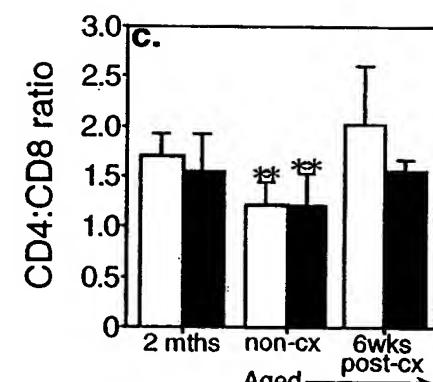


Figure 2F

Age/Treatment

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
5 OF 45

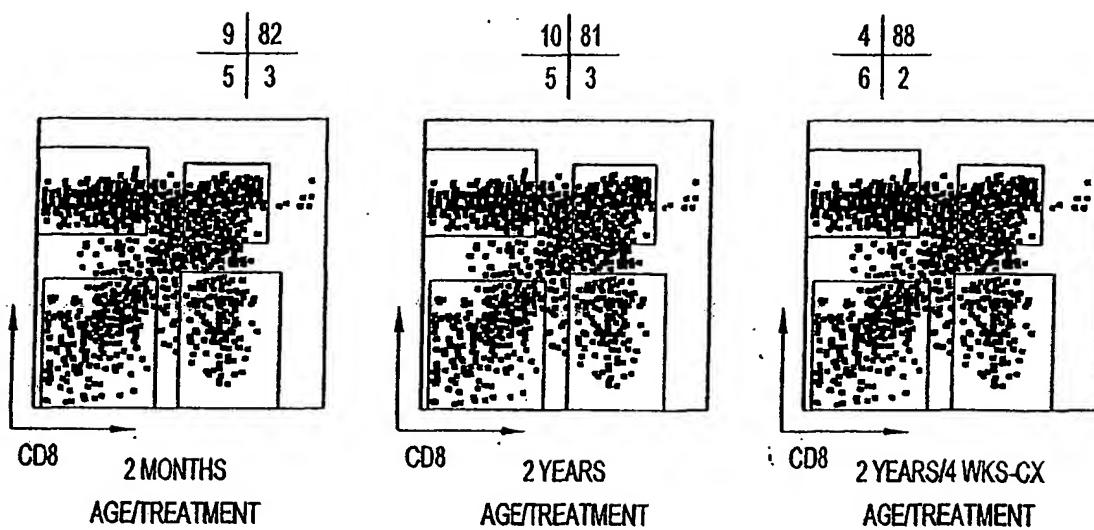


Figure 3

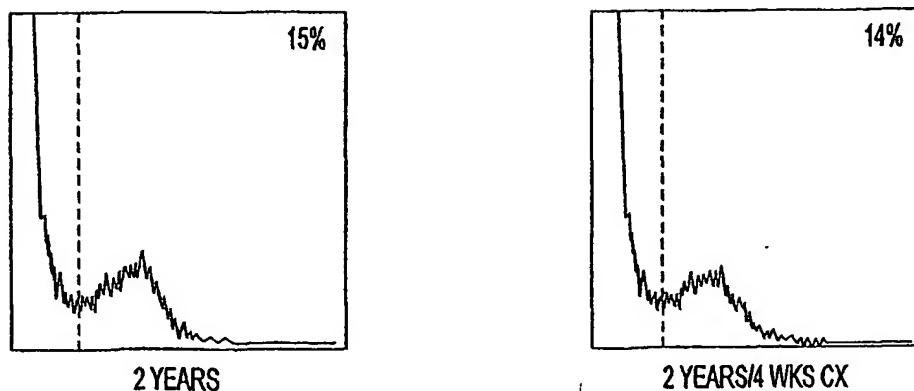
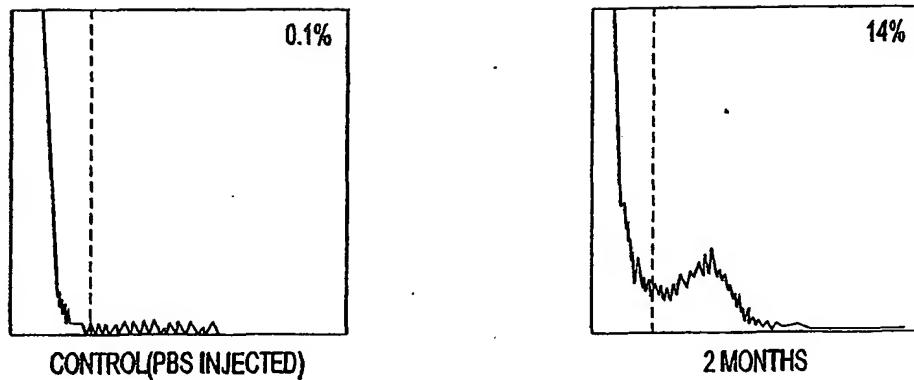


Figure 4^A

Figure 4B

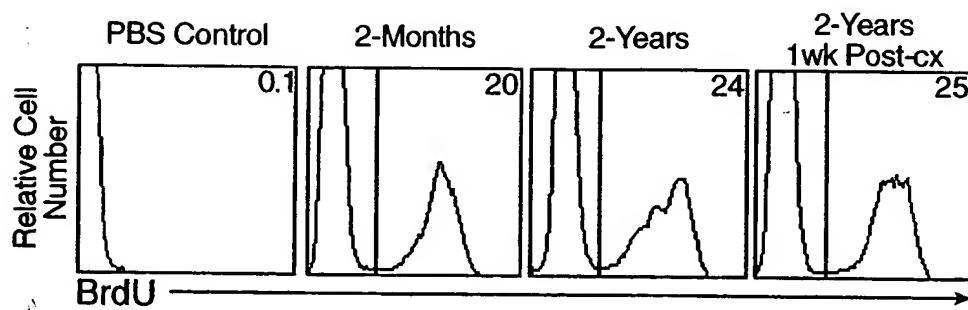
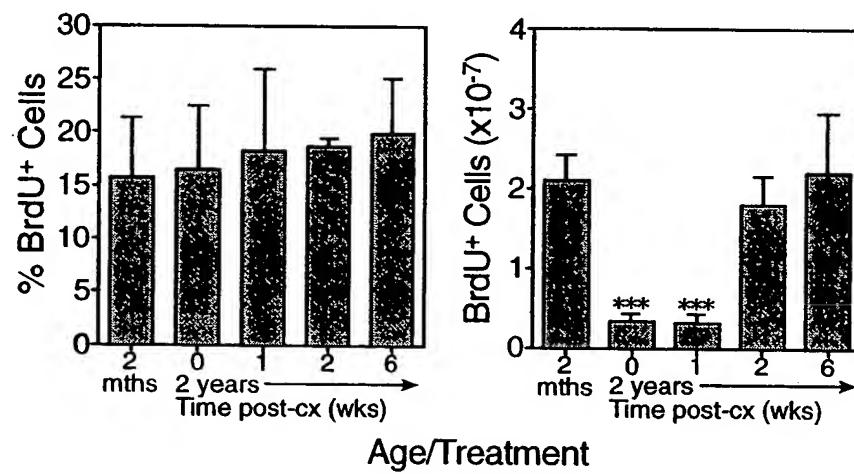


Figure 4C



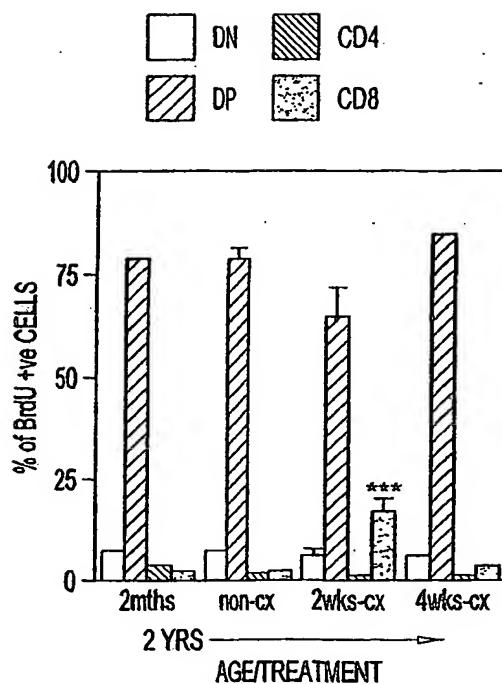


Figure 5A

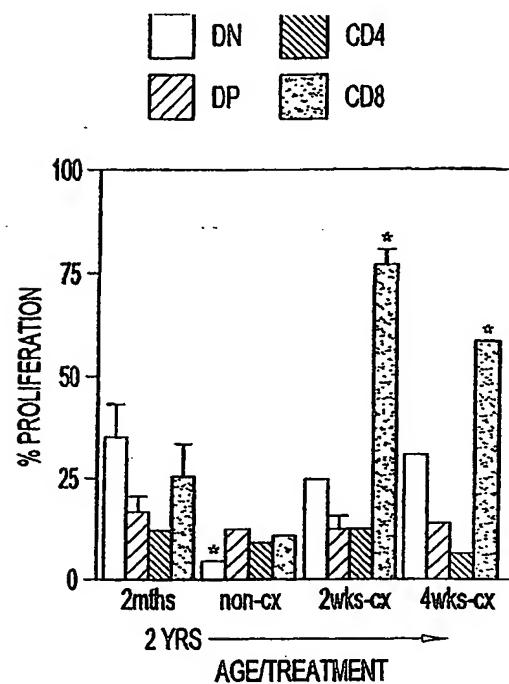


Figure 5B

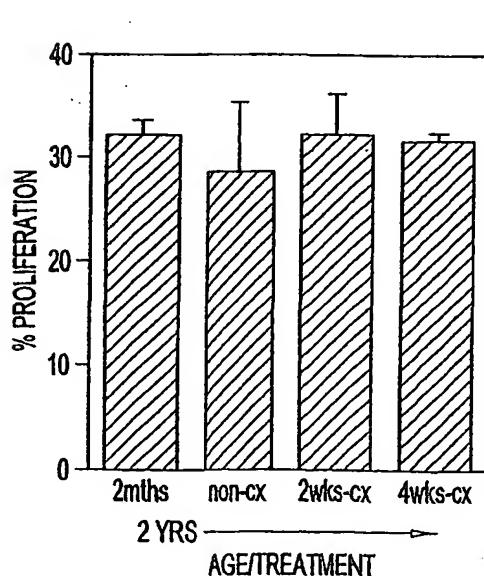


Figure 5F

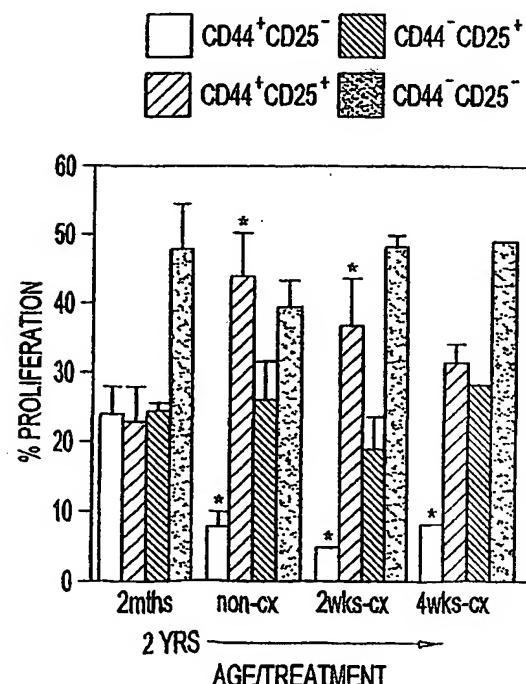


Figure 5G

Figure 5C

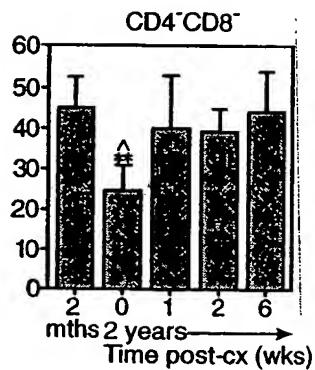


Figure 5D

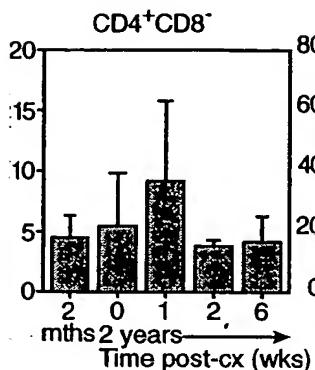


Figure 5E

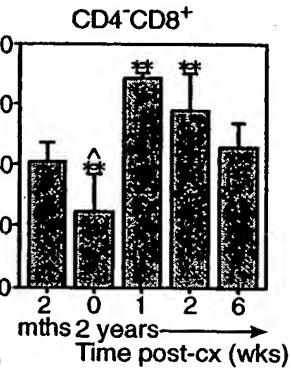


Figure 5H

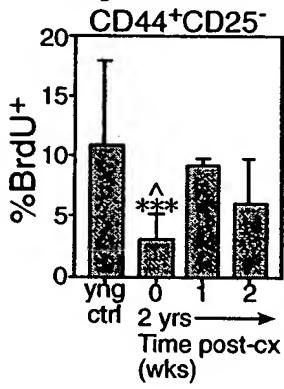


Figure 5I
CD44⁺CD25⁺

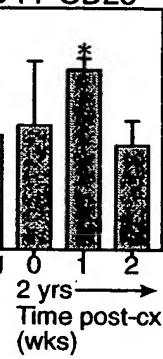


Figure 5J
CD44⁻CD25⁺

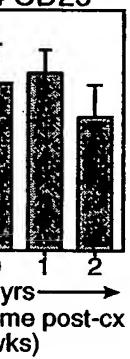
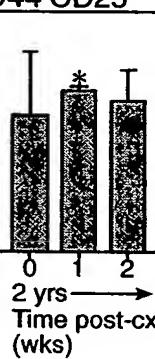


Figure 5K
CD44⁻CD25⁻



Age/Treatment

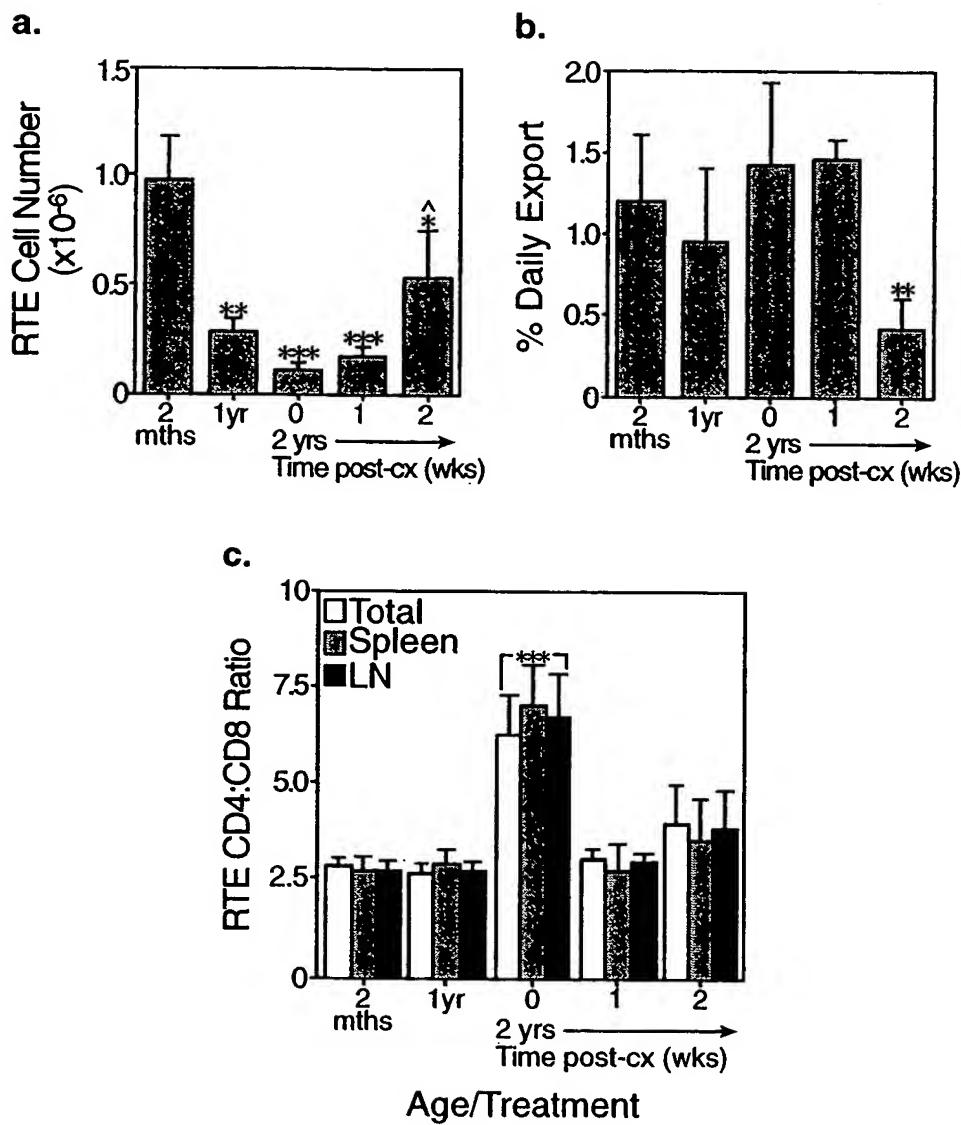


FIGURE 6.

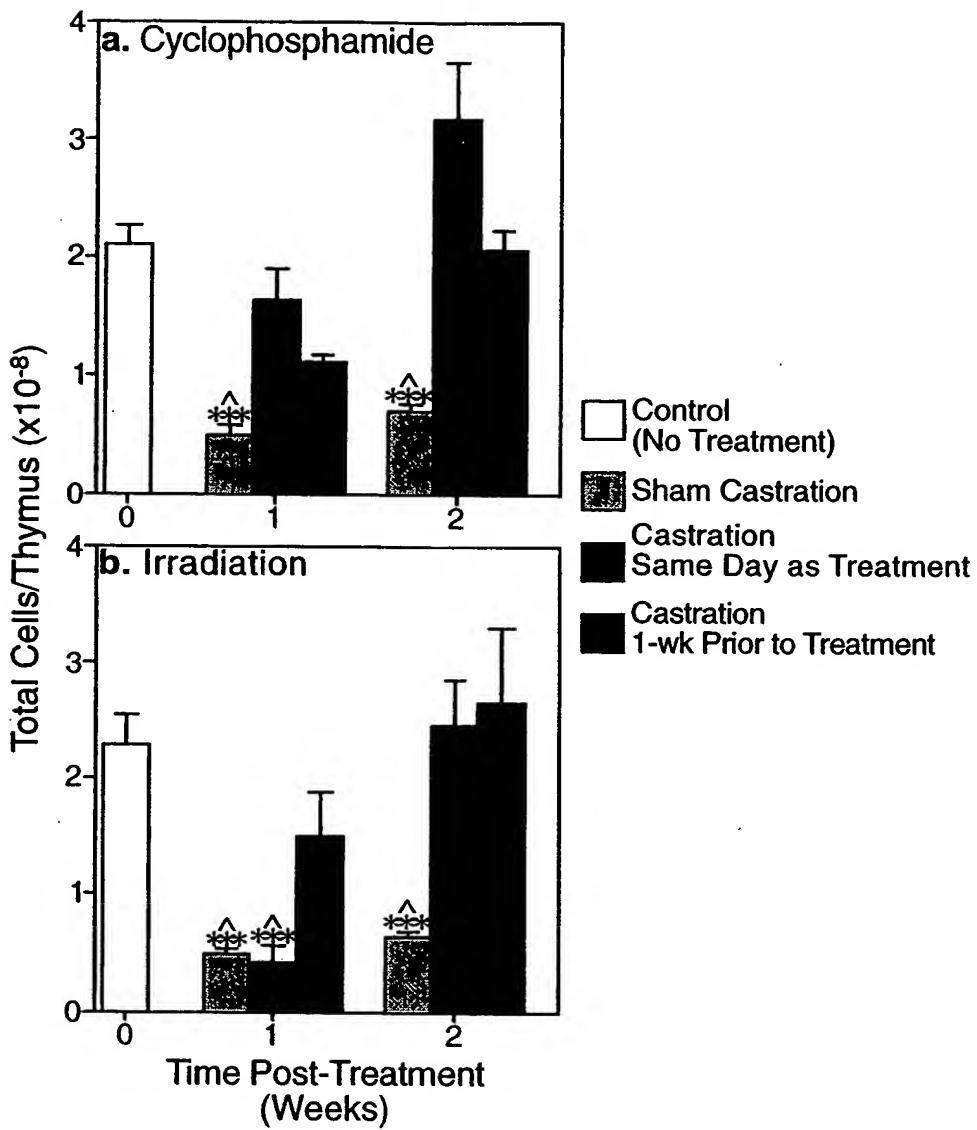


FIGURE 7.

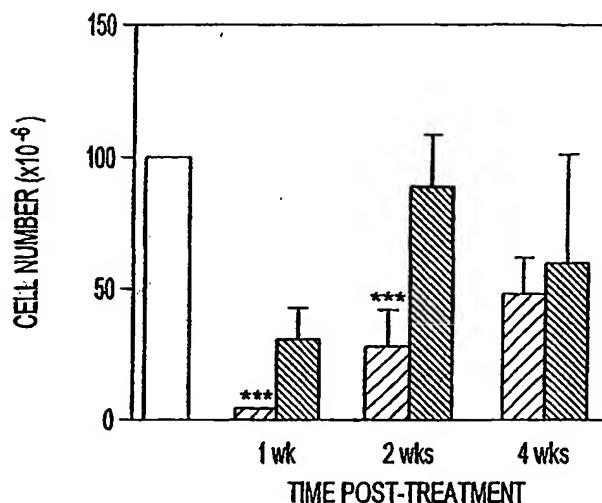


Figure 8A

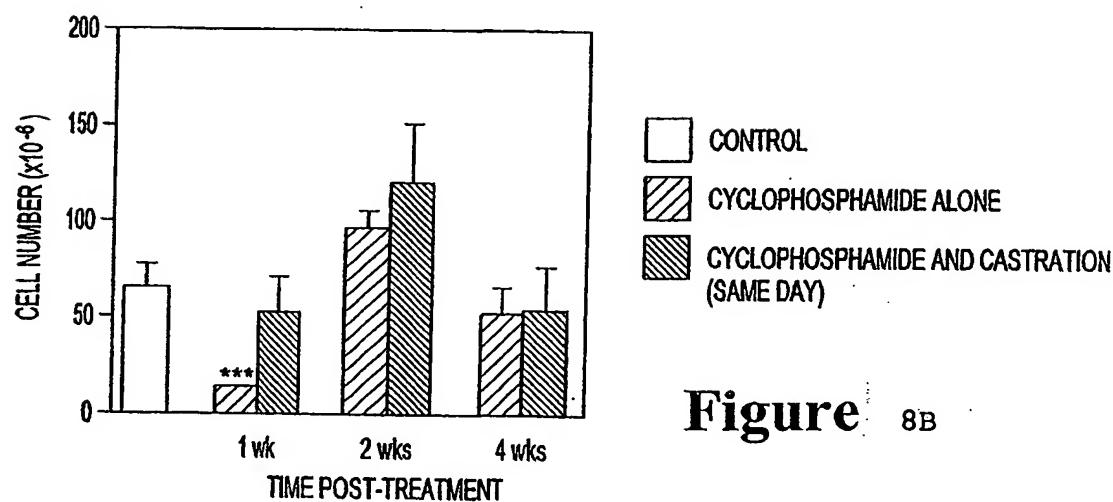


Figure 8B

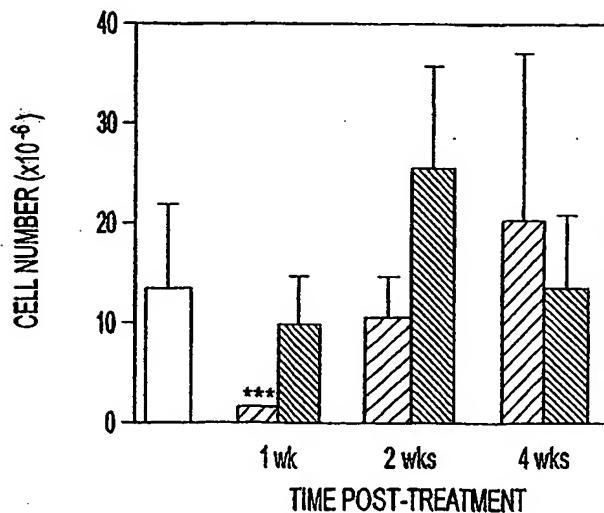


Figure 8C

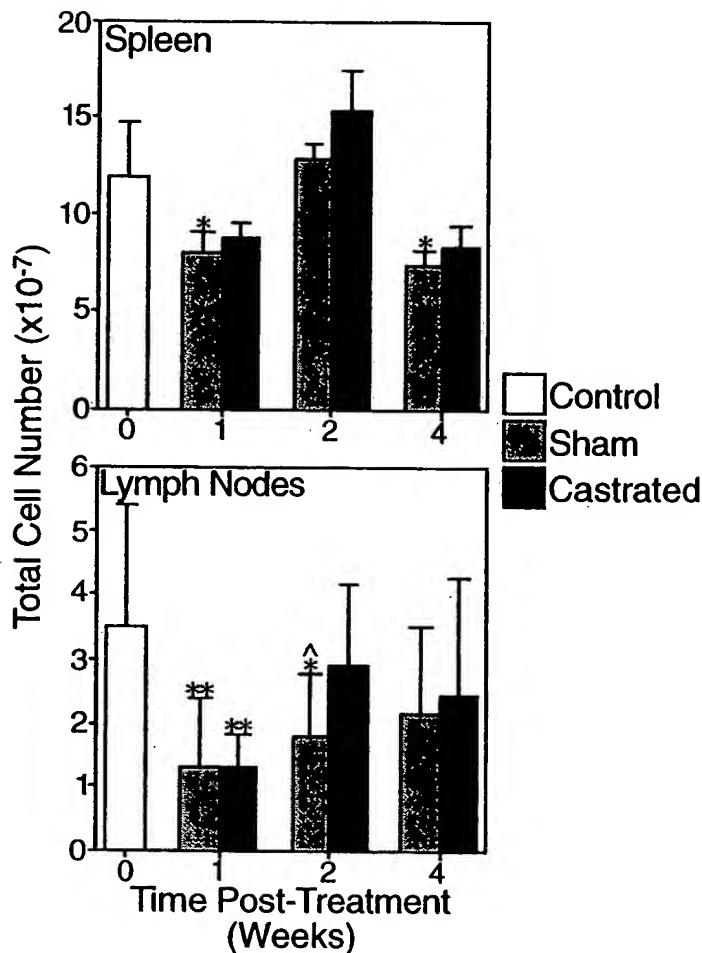


Figure 9A

Figure 9B

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
13 OF 45

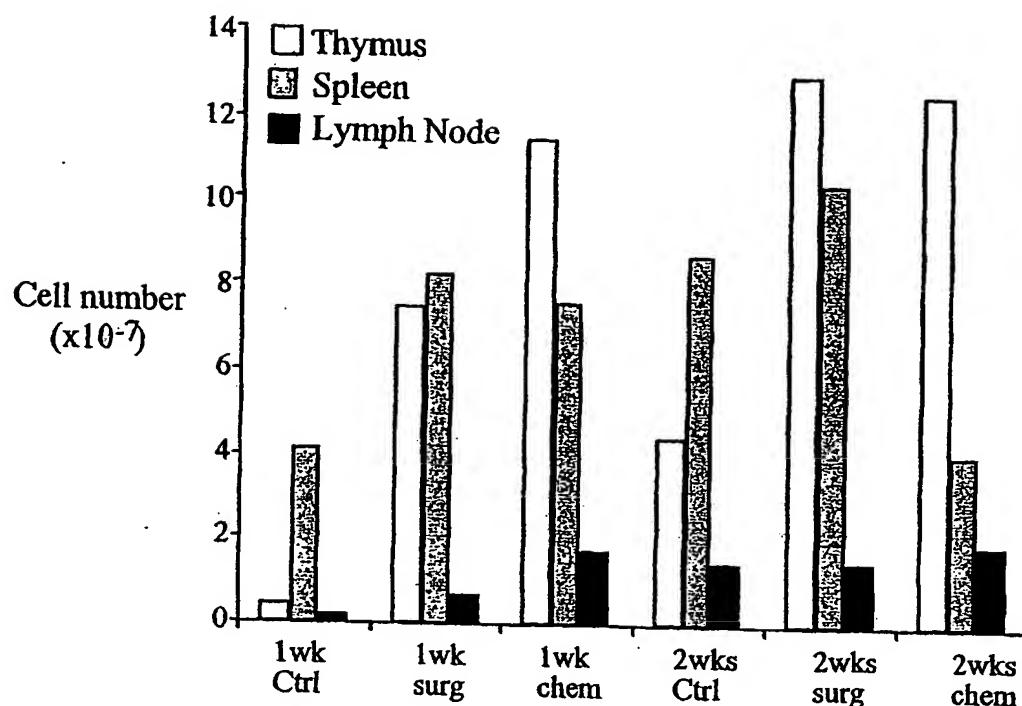


Figure 10

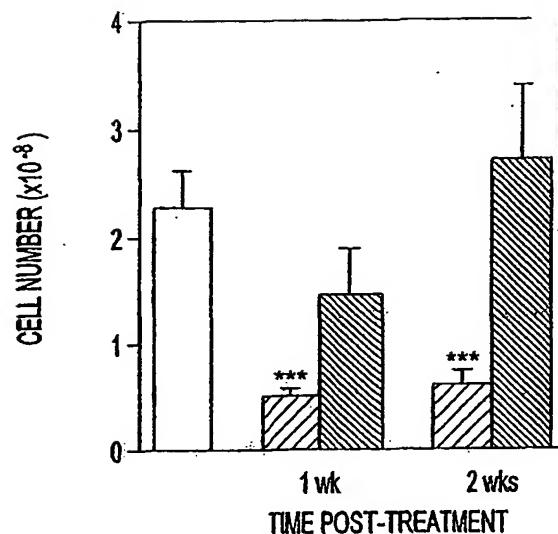


Figure 11A

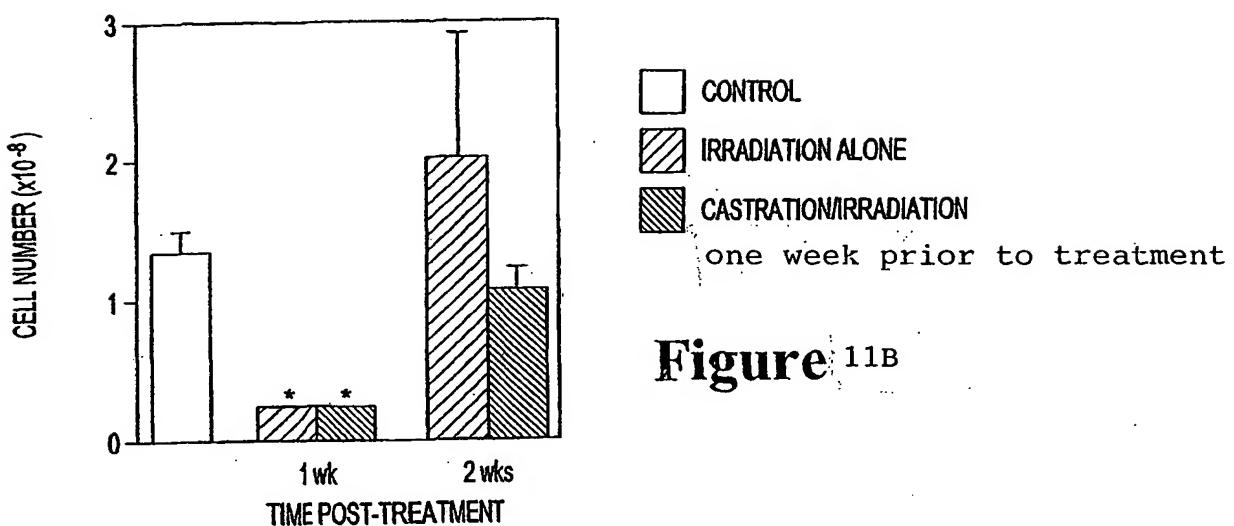


Figure 11B

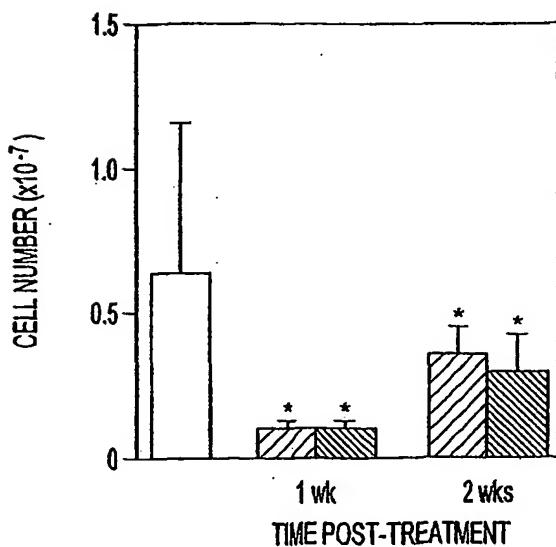


Figure 11C

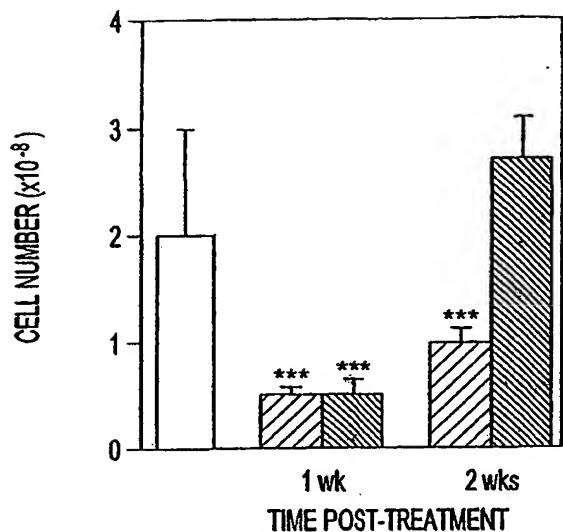


Figure 12A

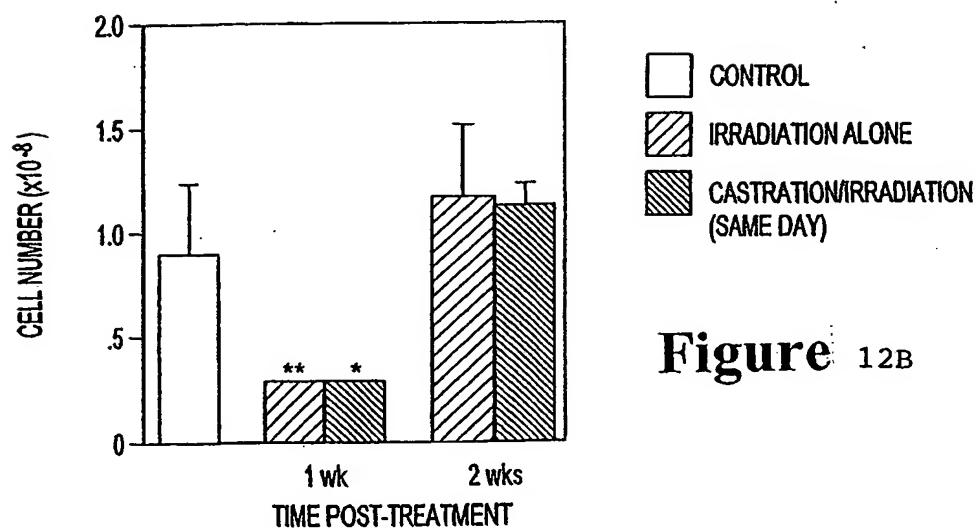


Figure 12B

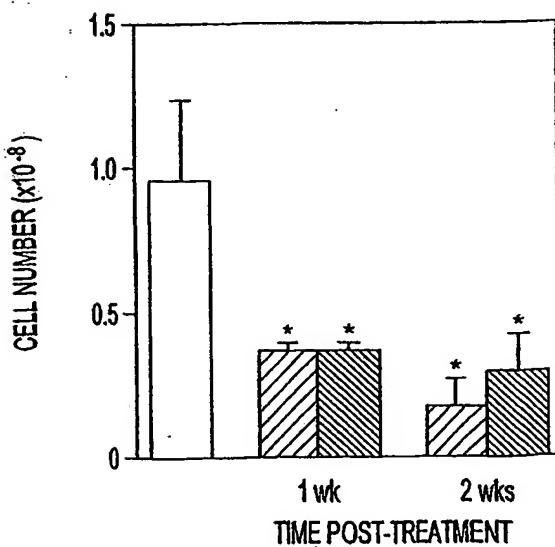


Figure 12C

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
16 OF 45

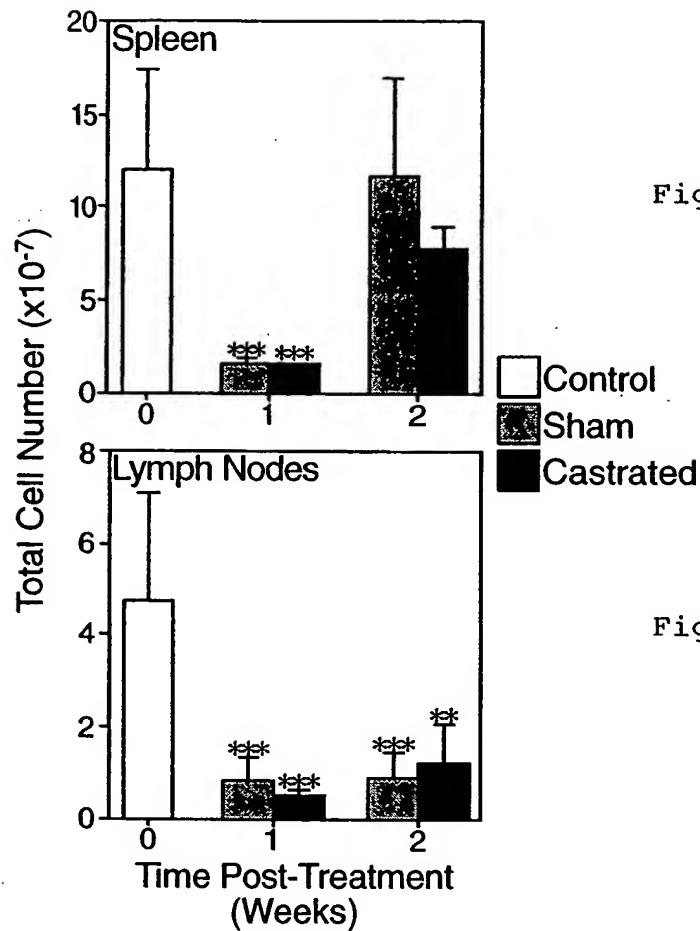


Figure 13A

Figure 13B

LN size post-HSV inoculation

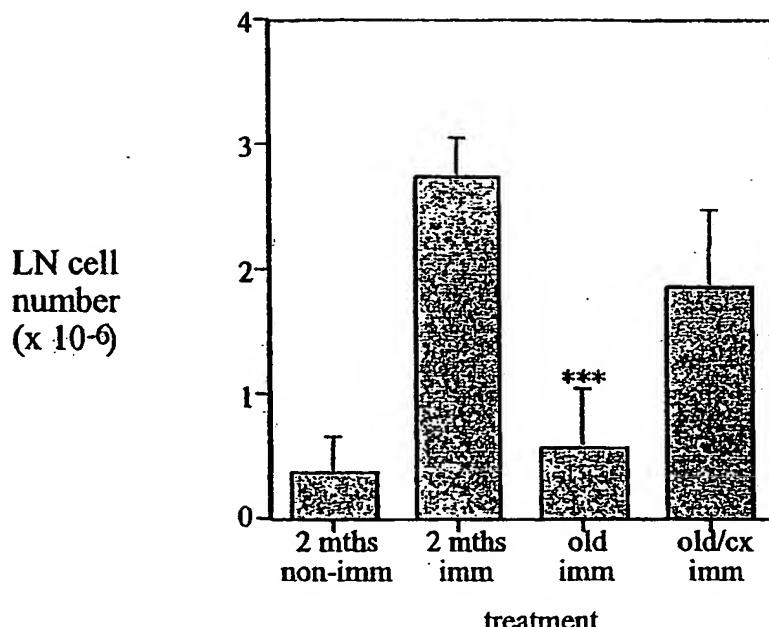


Fig. 14A

Activated cell numbers

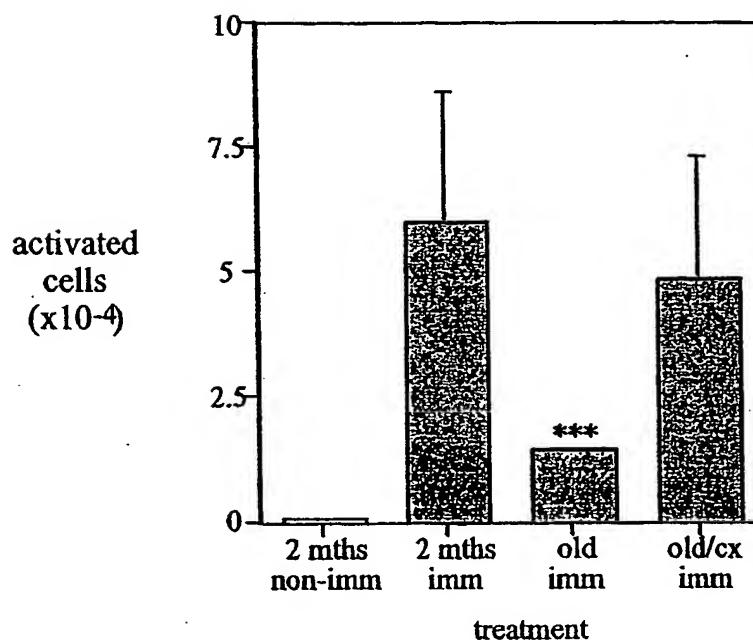


Fig. 14B

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
18 OF 45

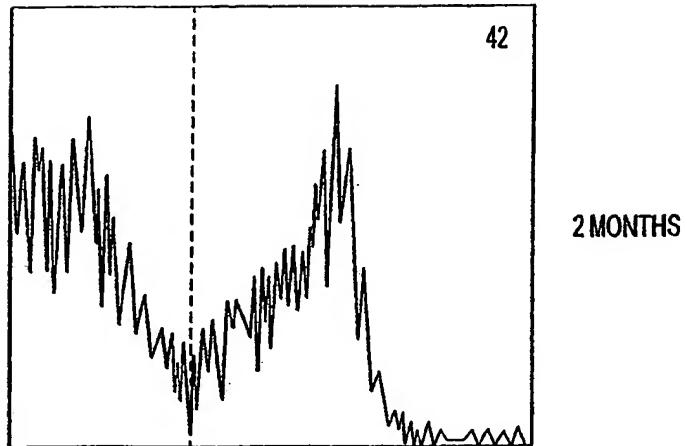


Figure 15A

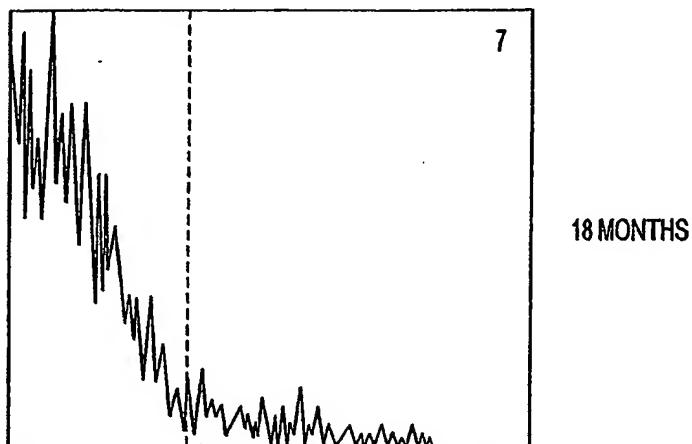


Figure 15B

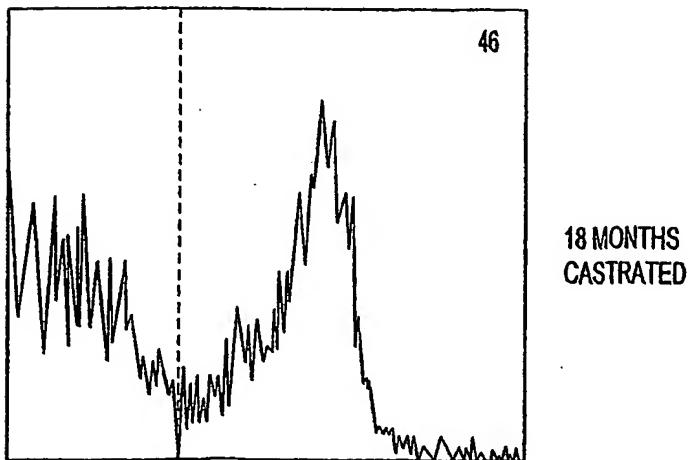


Figure 15C

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
19 OF 45

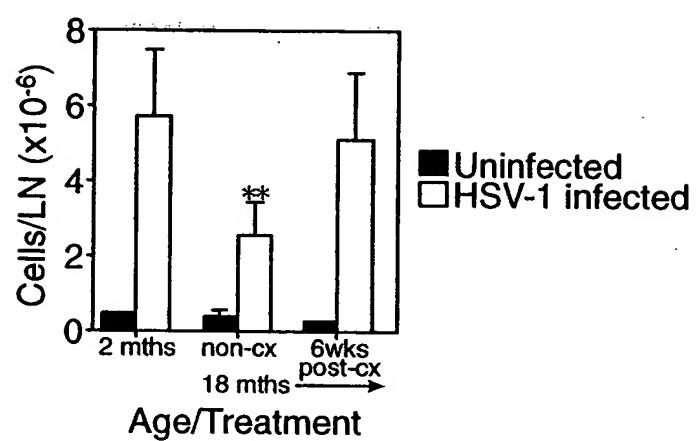


FIGURE 16

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
20 OF 45

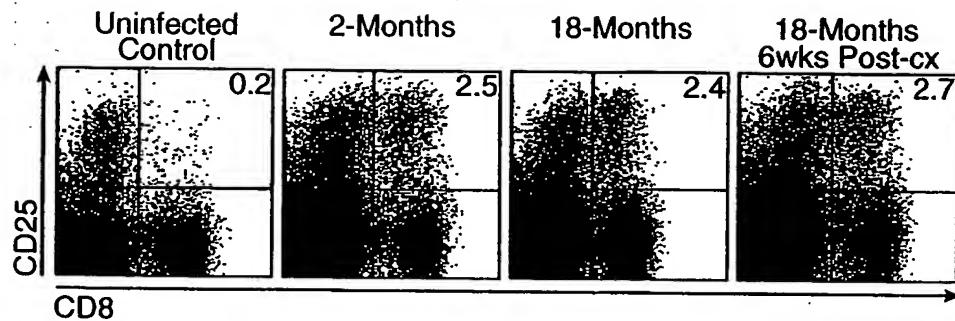


Figure 17A

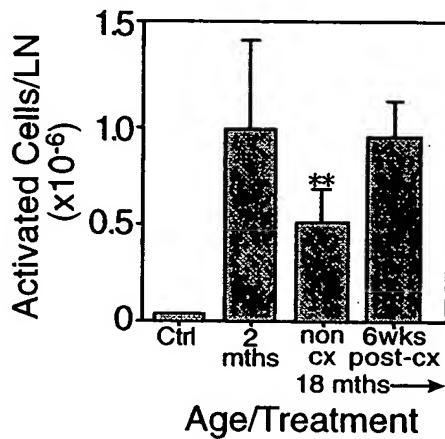


Figure 17B

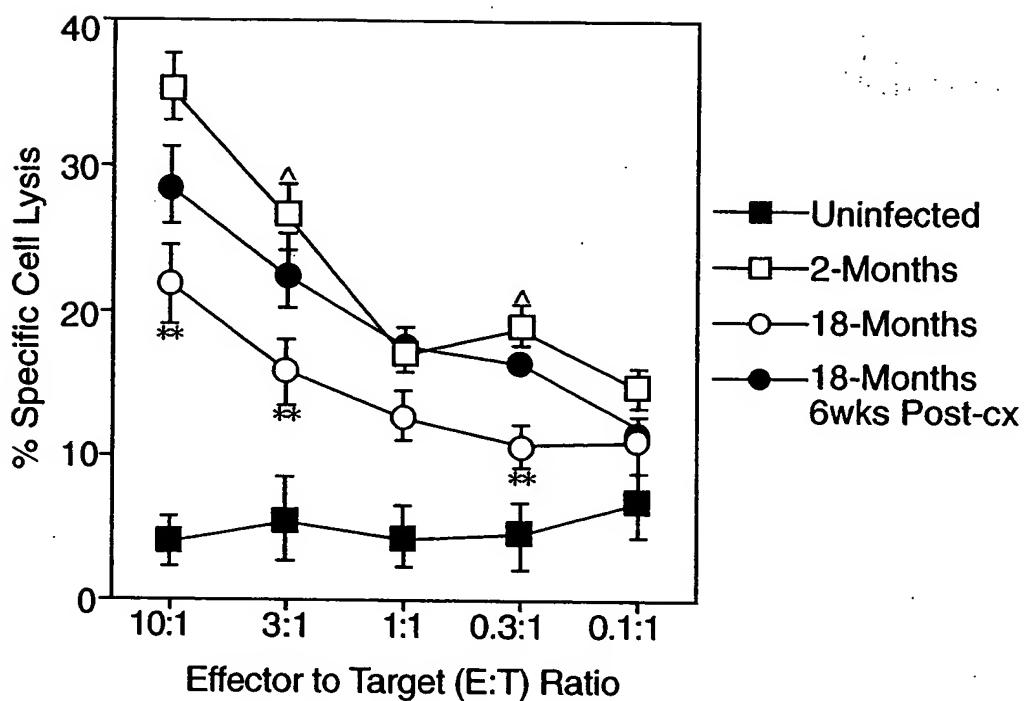


FIGURE 18

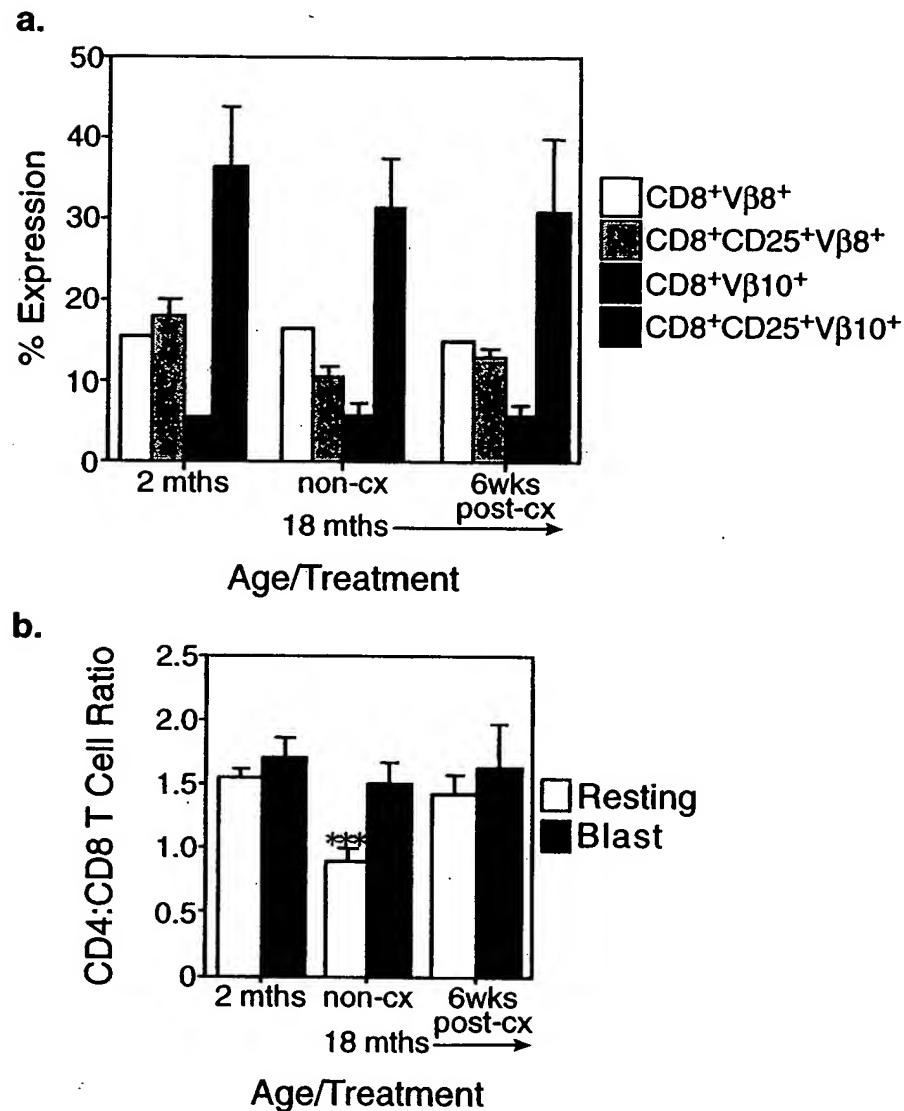


FIGURE 19

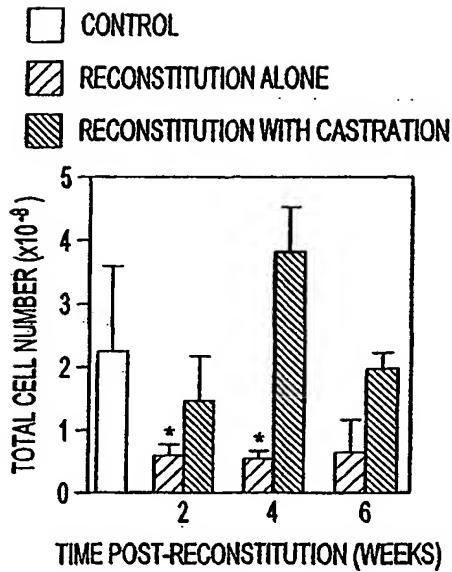


Figure 20A

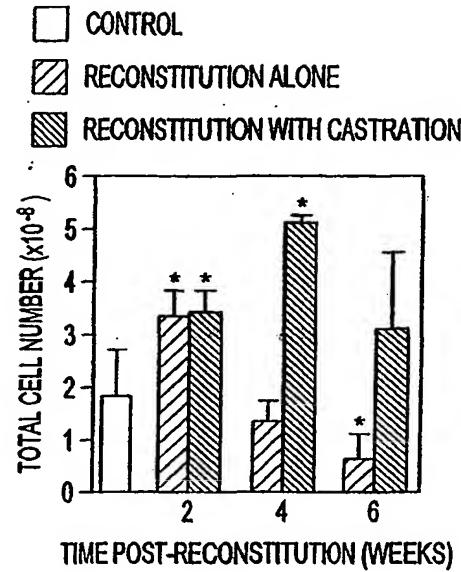


Figure 20B

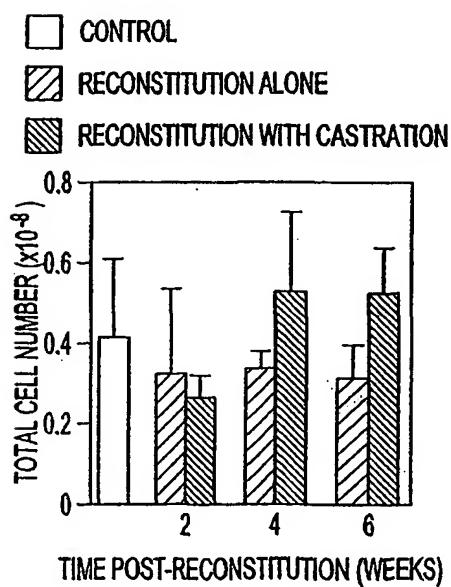


Figure 20C

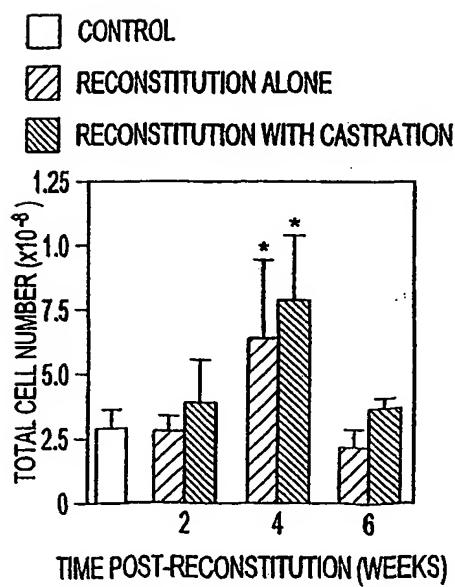


Figure 20D

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
24 OF 45

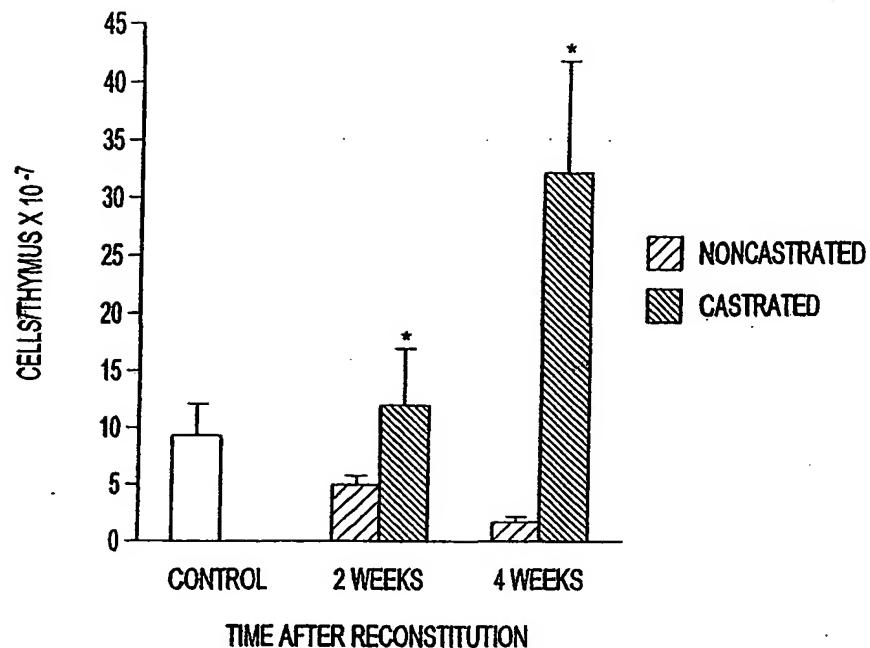


Figure 21A

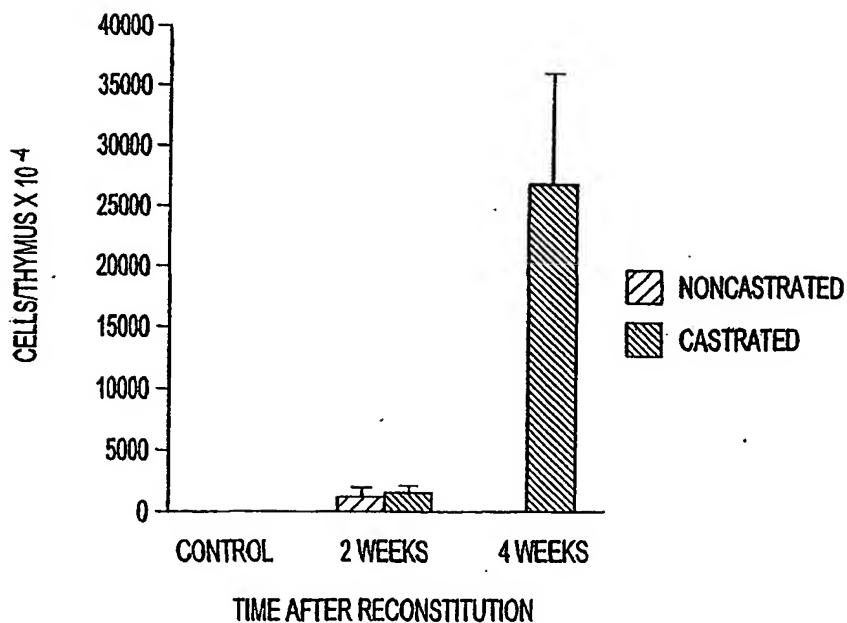


Figure 21B

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
25 OF 45

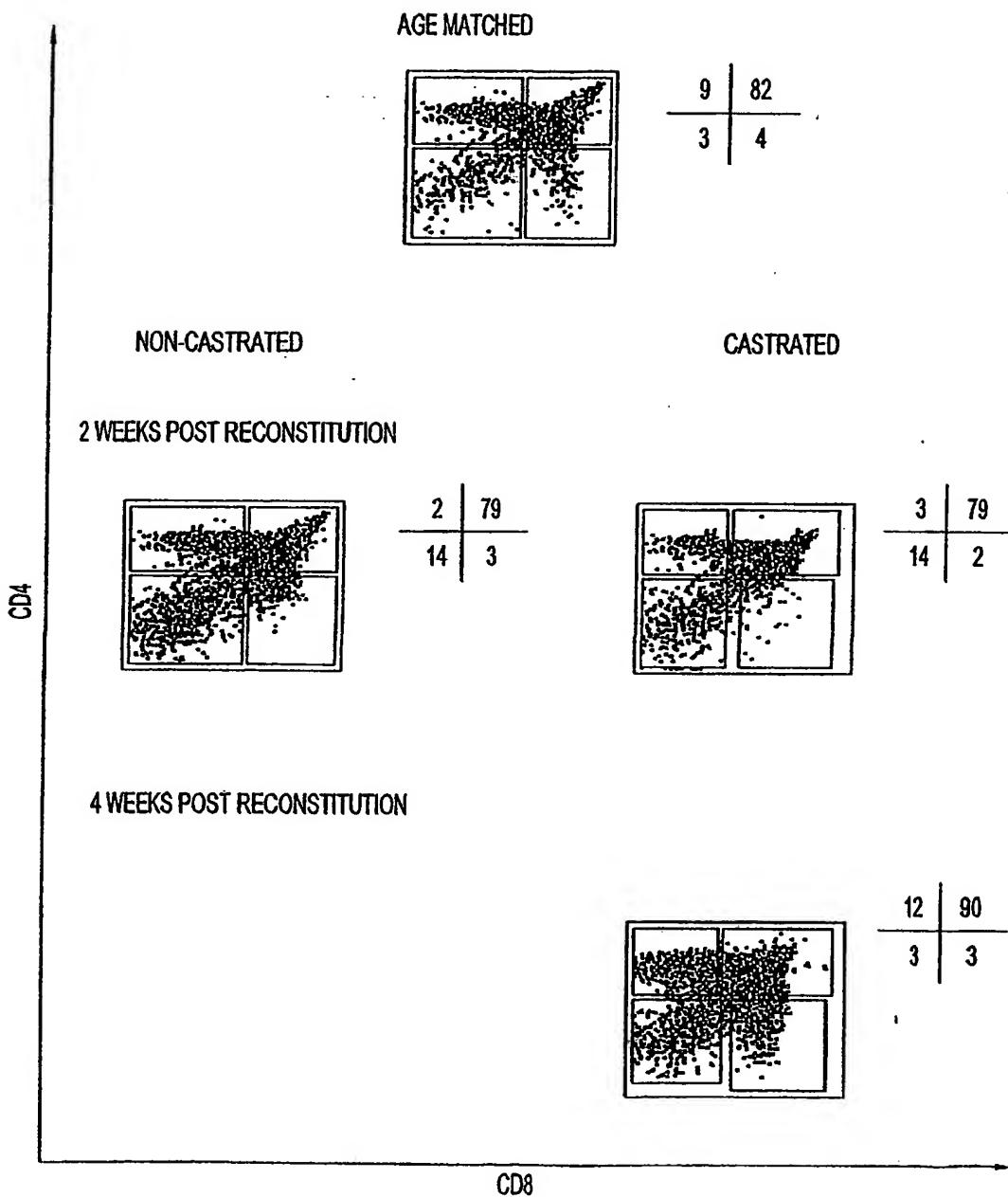


Figure 22

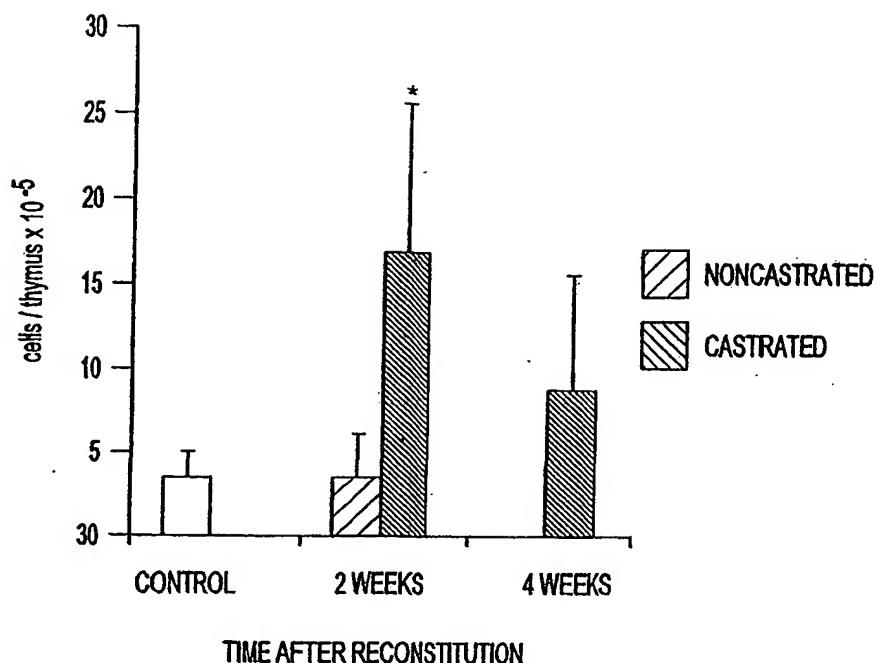


Figure 23A

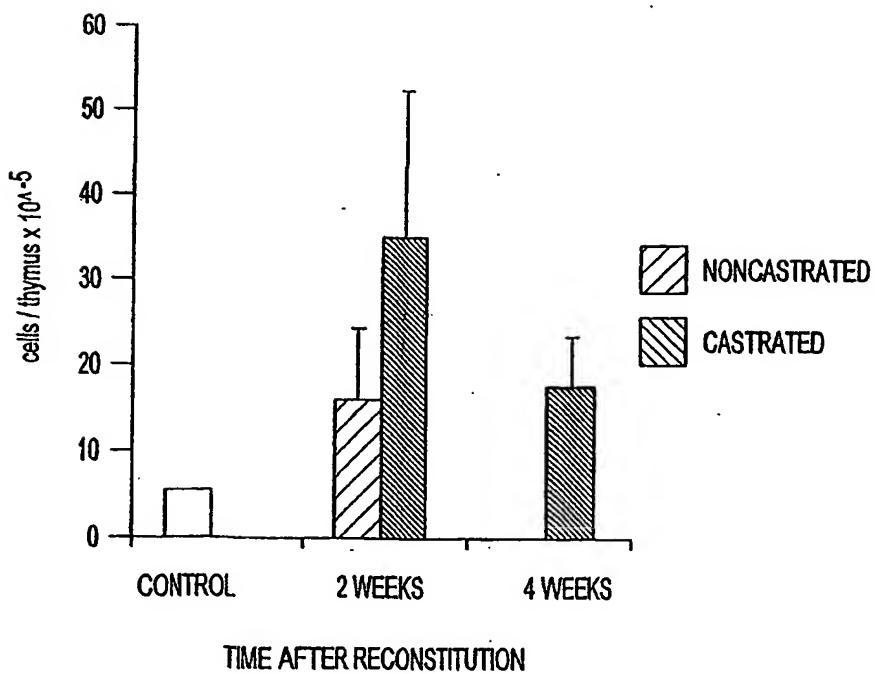


Figure 23B

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
27 OF 45

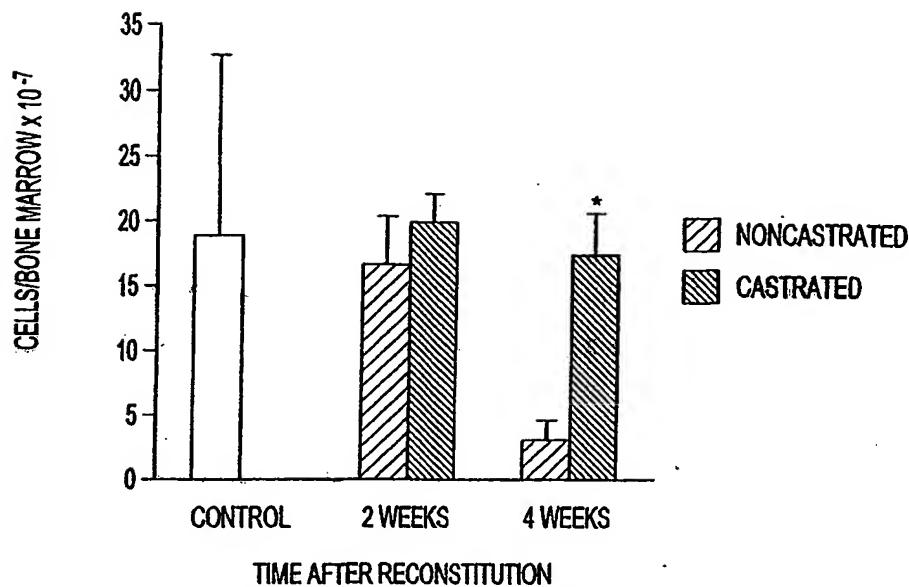


Figure 24A

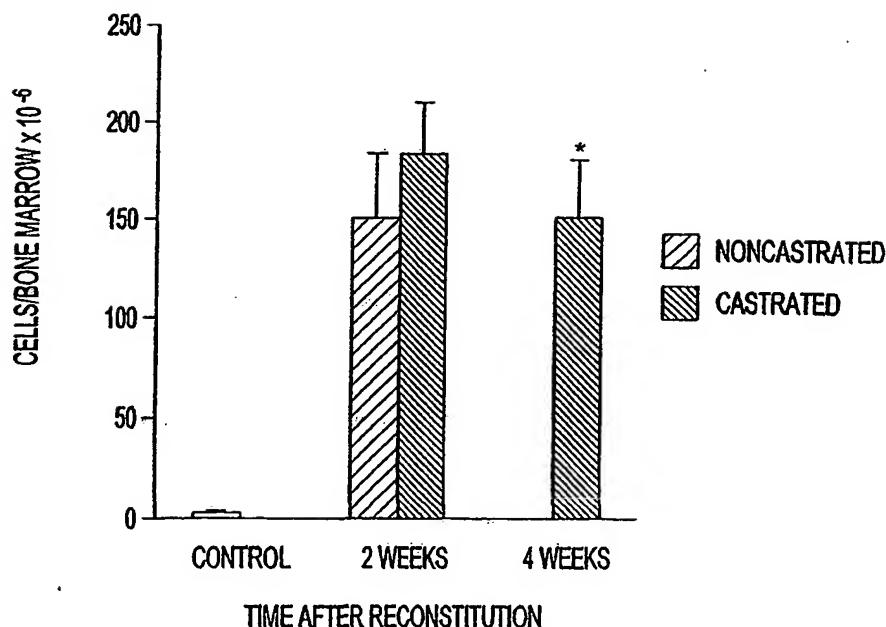


Figure 24B

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
28 OF 45

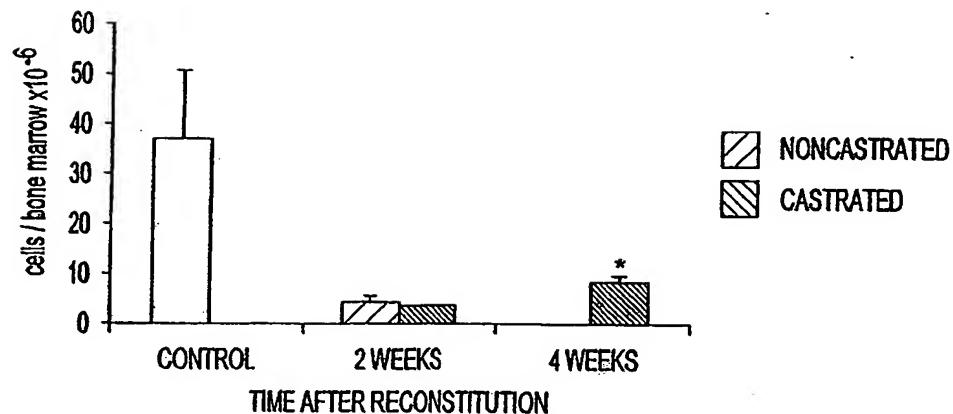


Figure 25A



Figure 25B

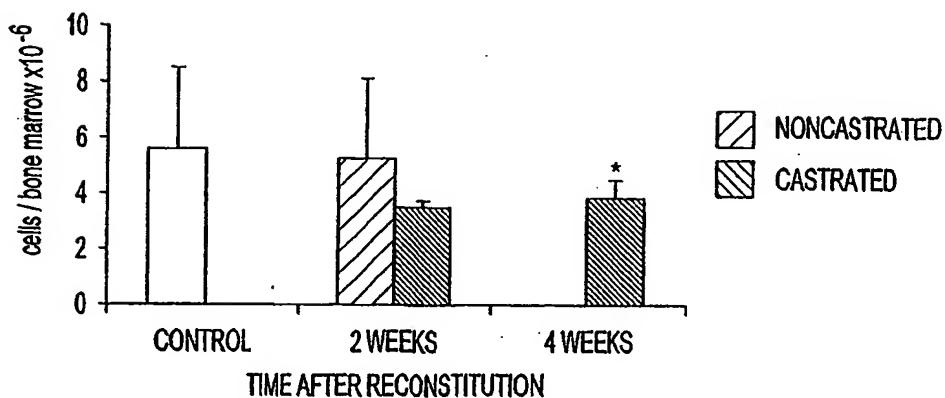


Figure 25C

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
29 OF 45

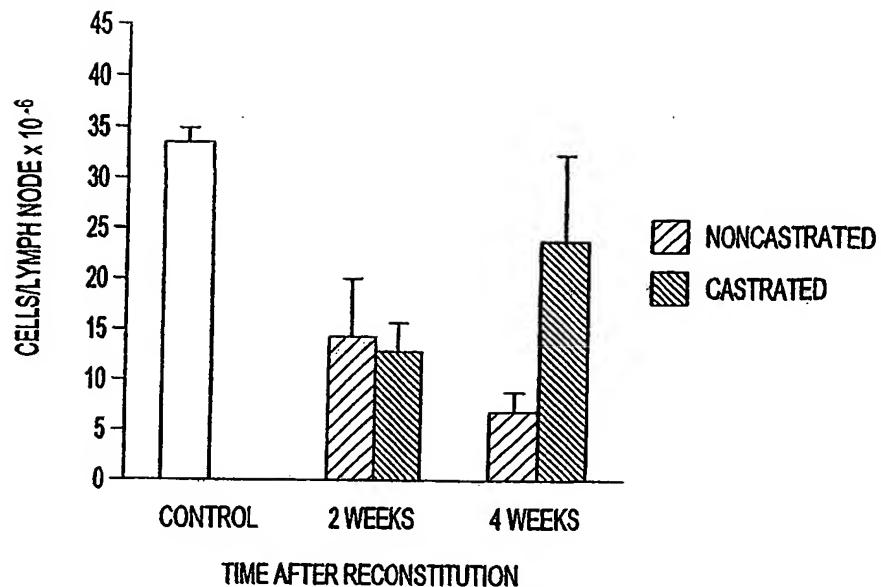


Figure 26A

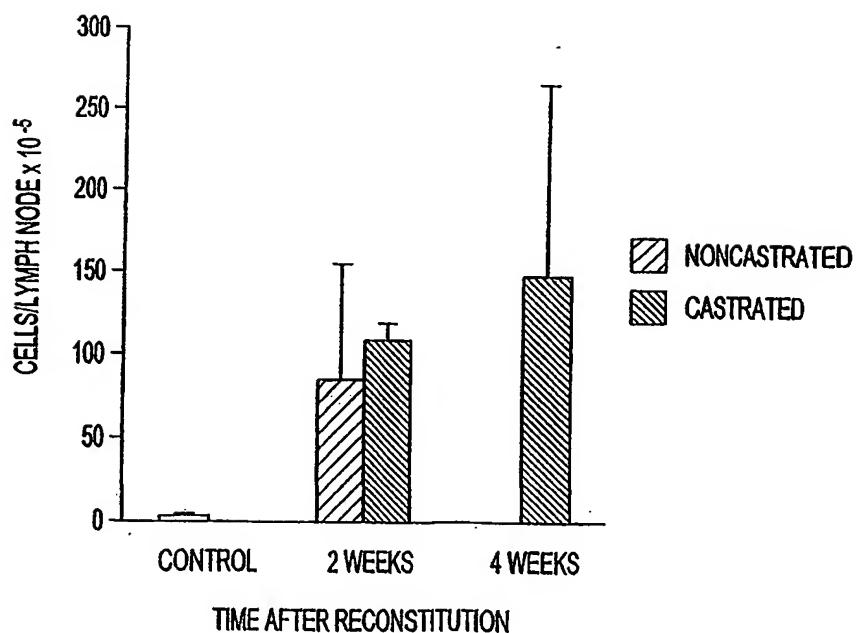


Figure 26B

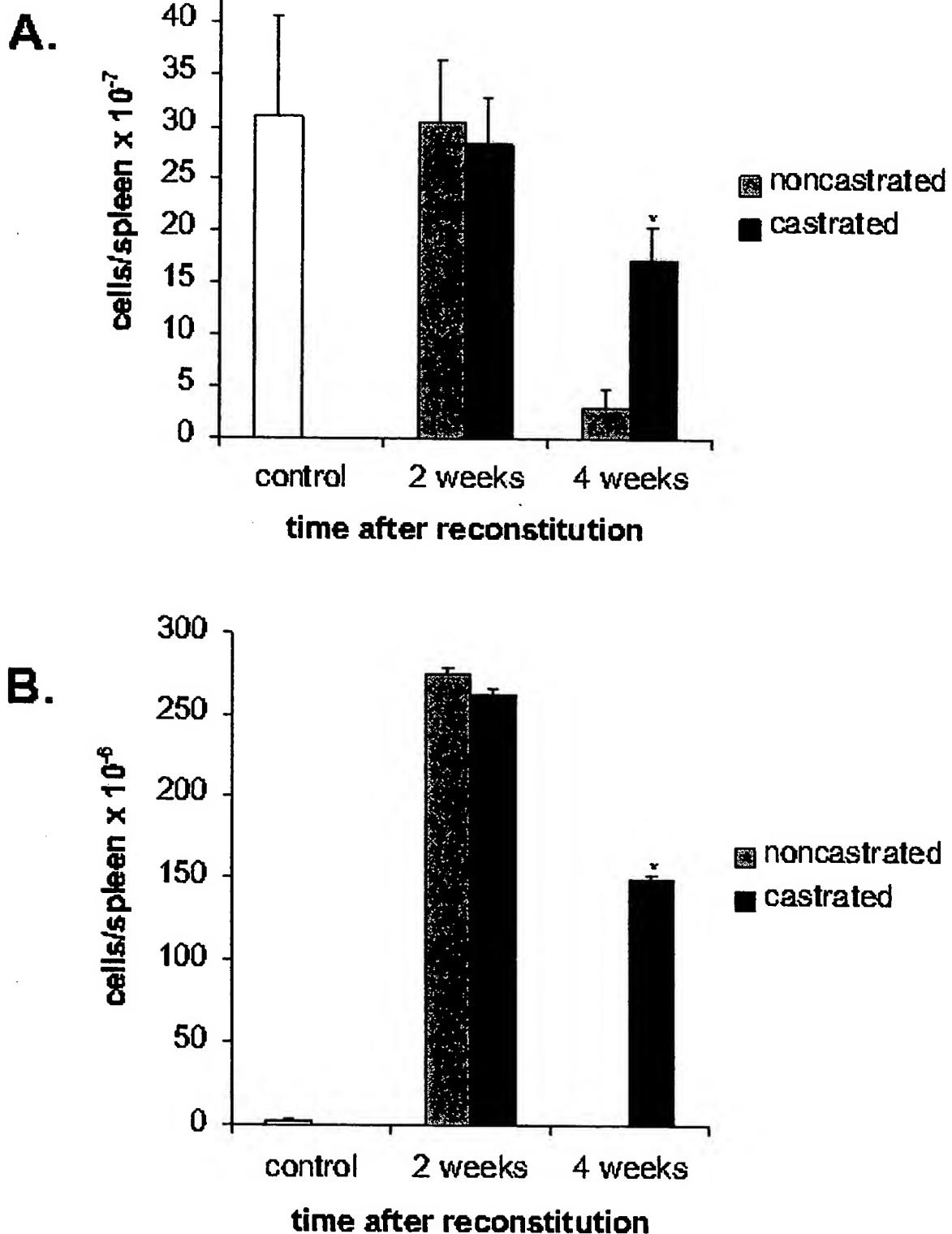


FIGURE 27.

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
31 OF 45

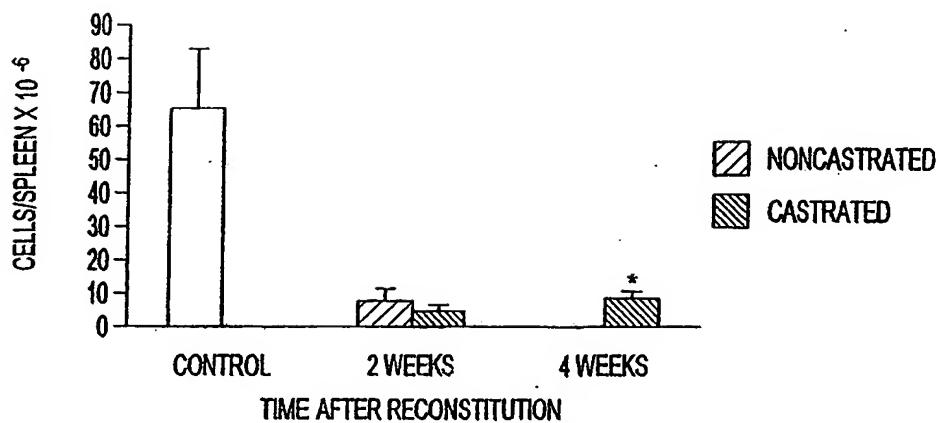


Figure 28A



Figure 28B

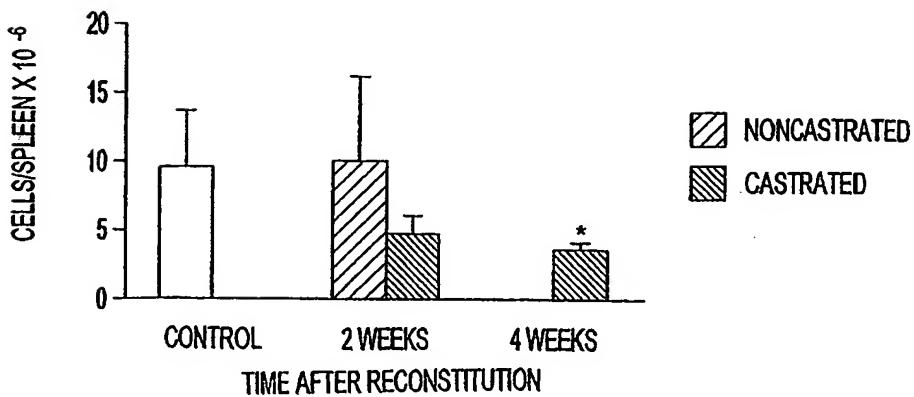


Figure 28C

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
32 OF 45

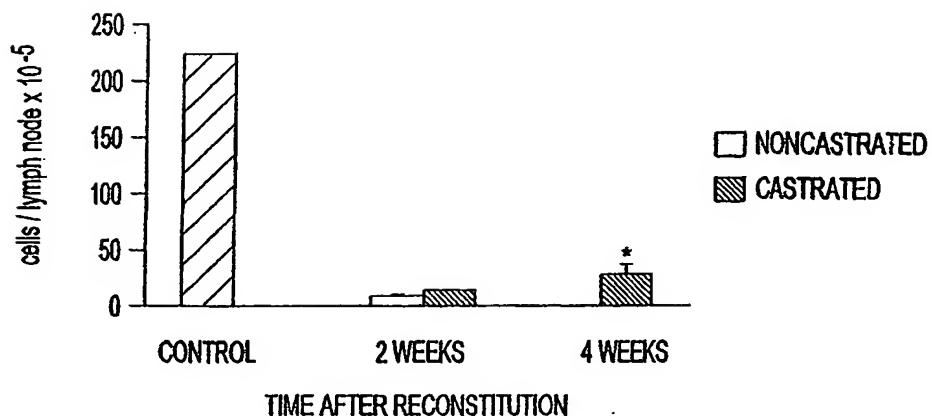


Figure 29A

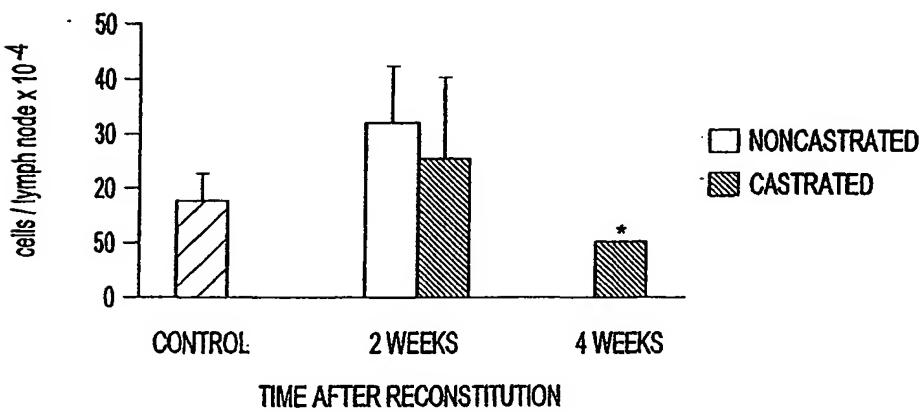


Figure 29B

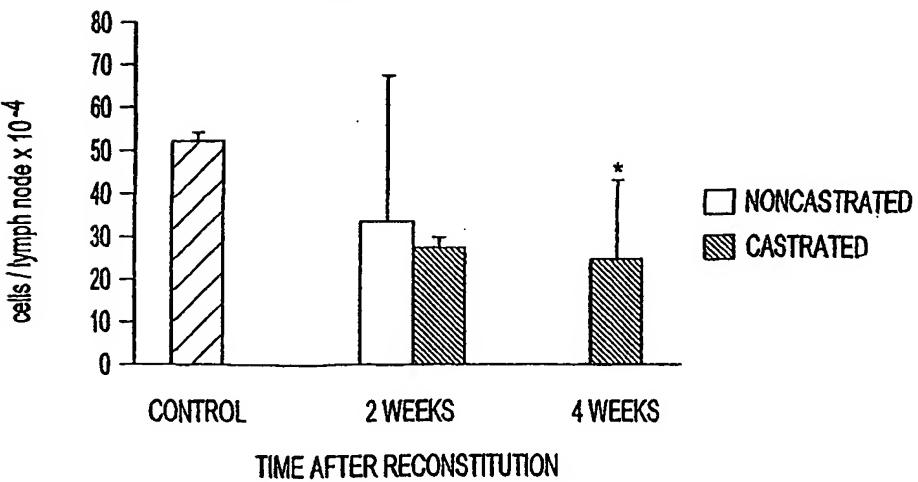
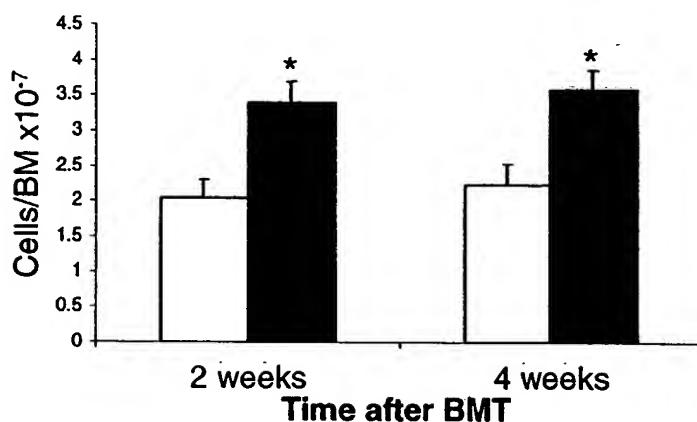


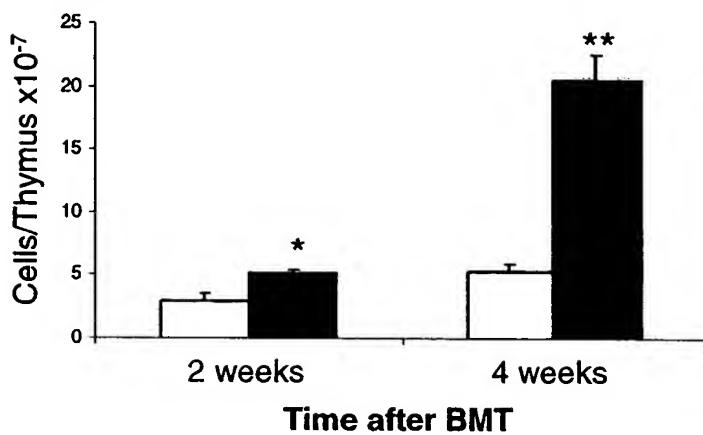
Figure 29C

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
33 OF 45

A. Bone Marrow



B. Thymus



C. Spleen

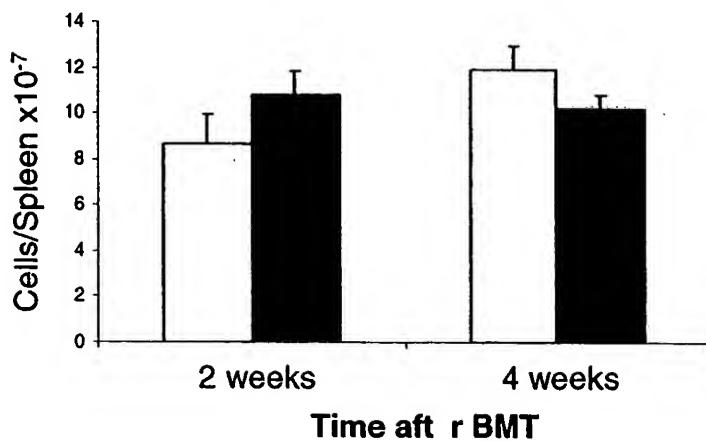


Figure 30

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
34 OF 45

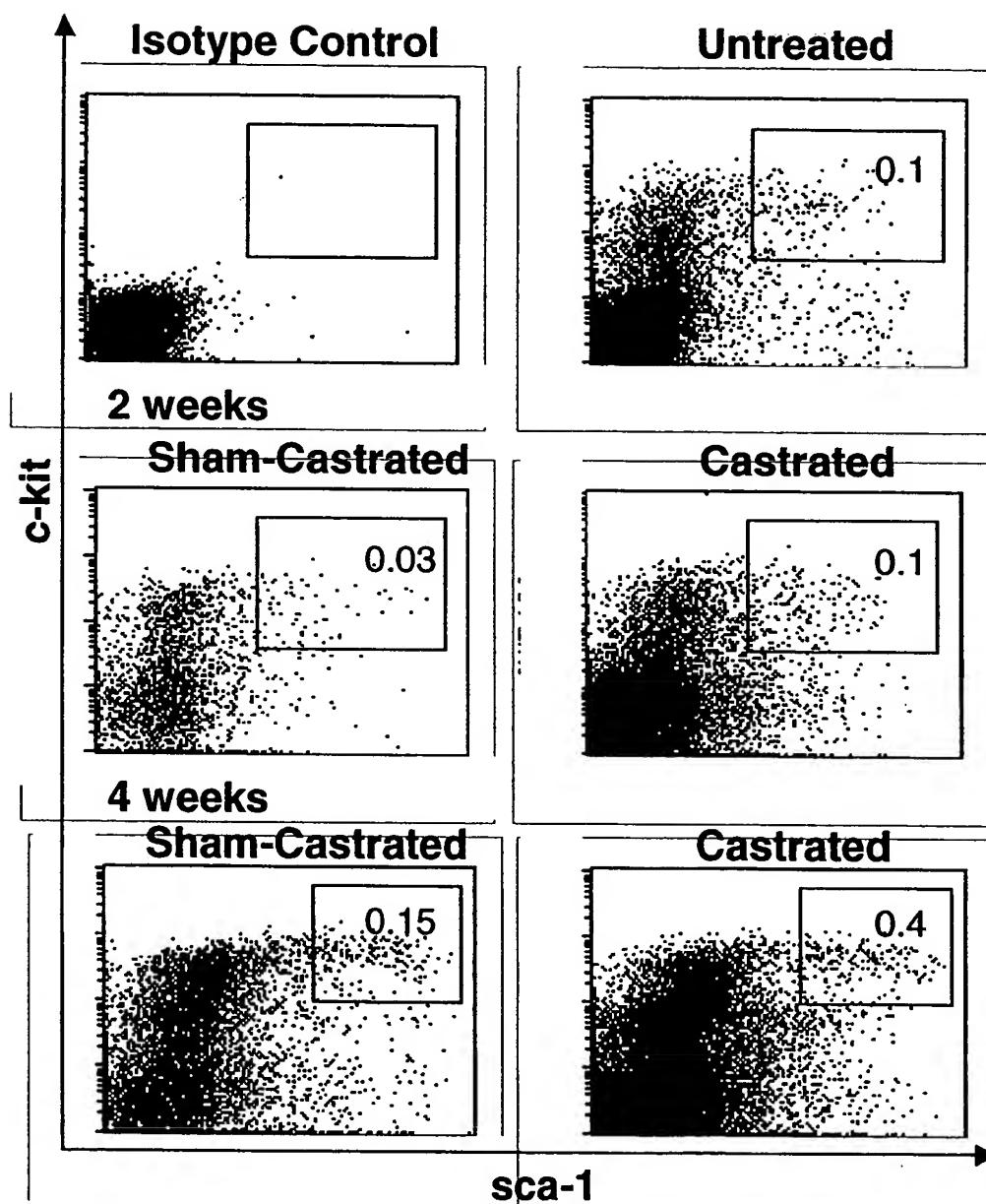
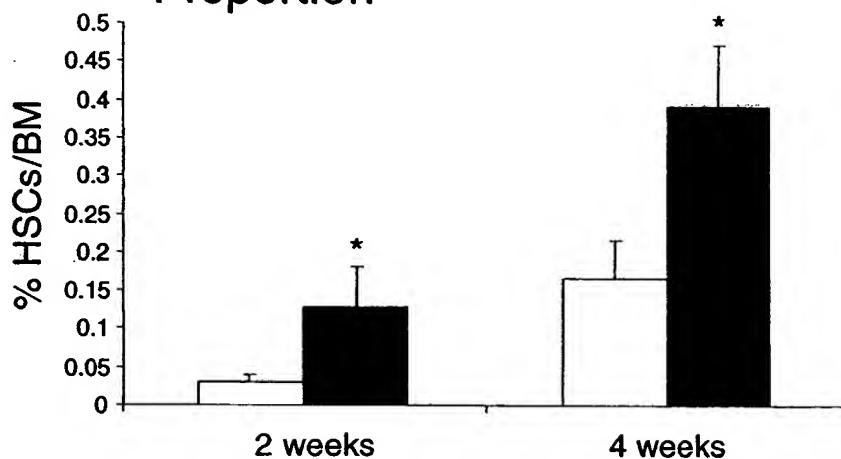


Figure 31

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
35 OF 45

A. Proportion



B. Number

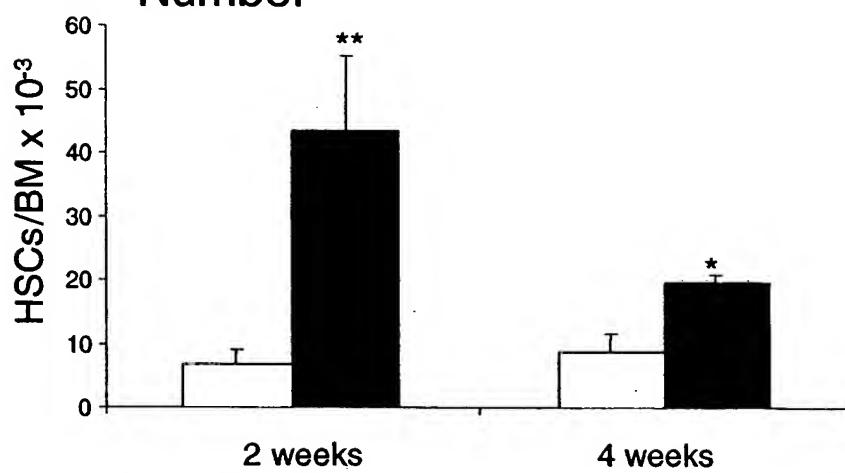
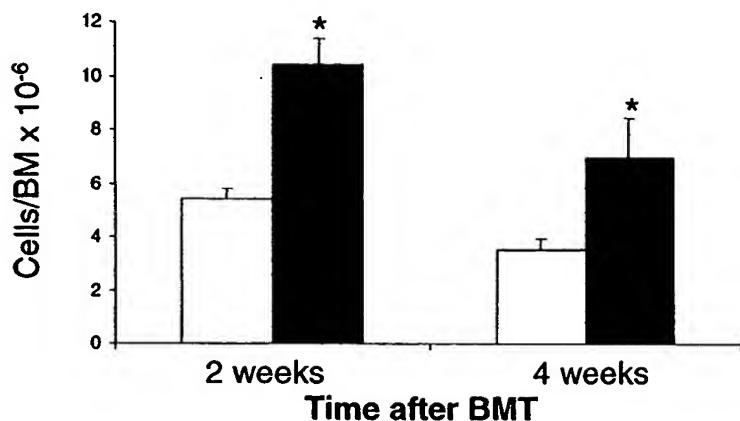


Figure 32

A. B Cell Precursors



B. B Cells

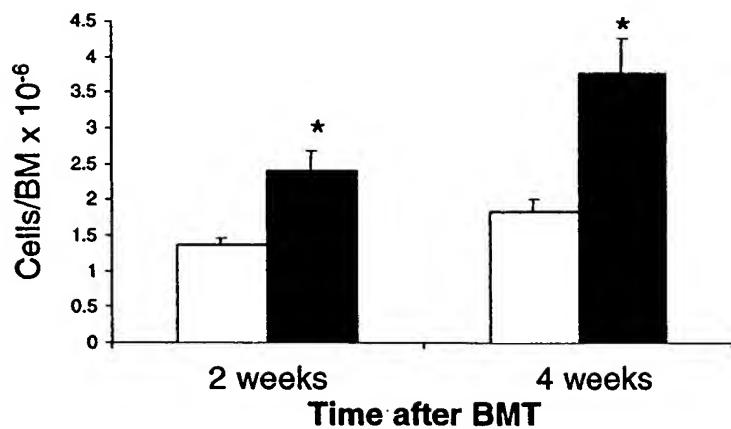


Figure 33

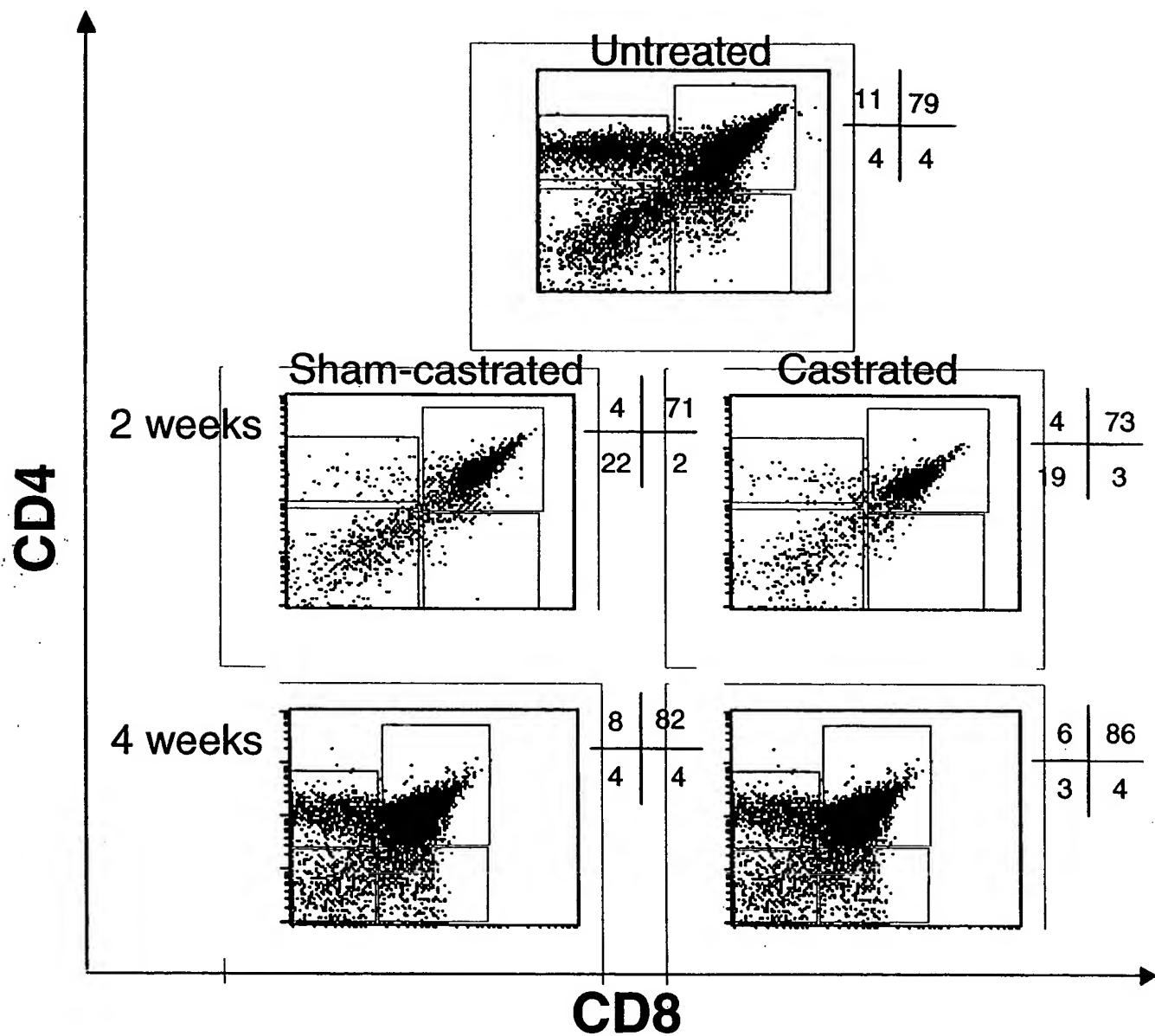


Figure 34

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
38 OF 45

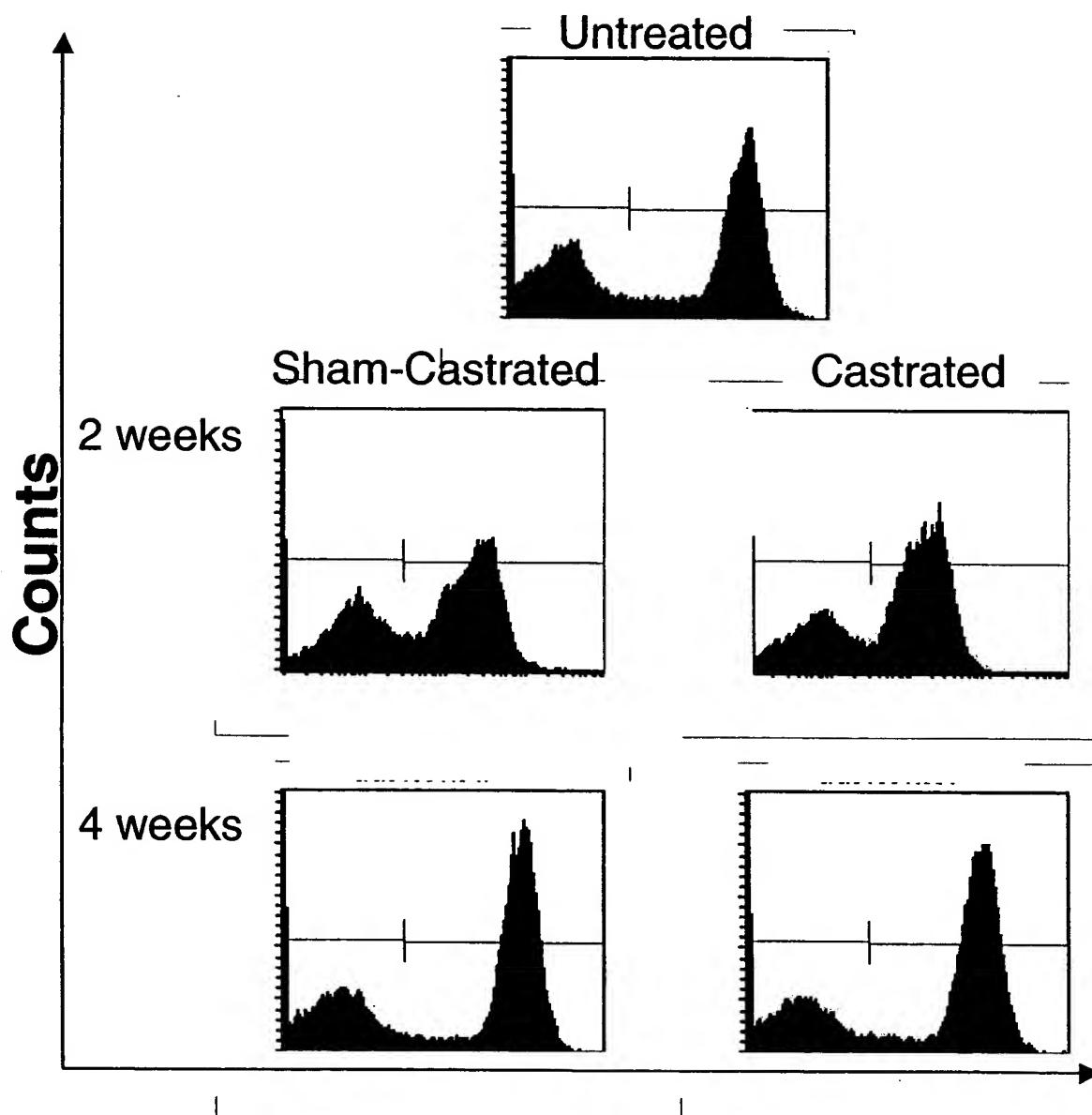


Figure 35

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
39 OF 45

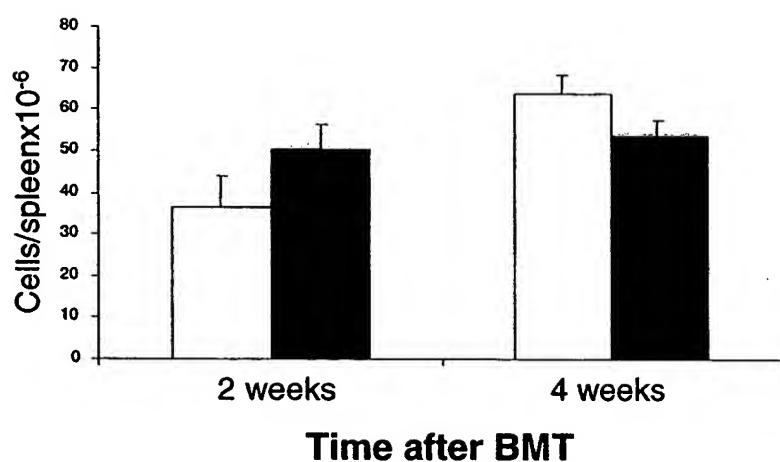


Figure 36

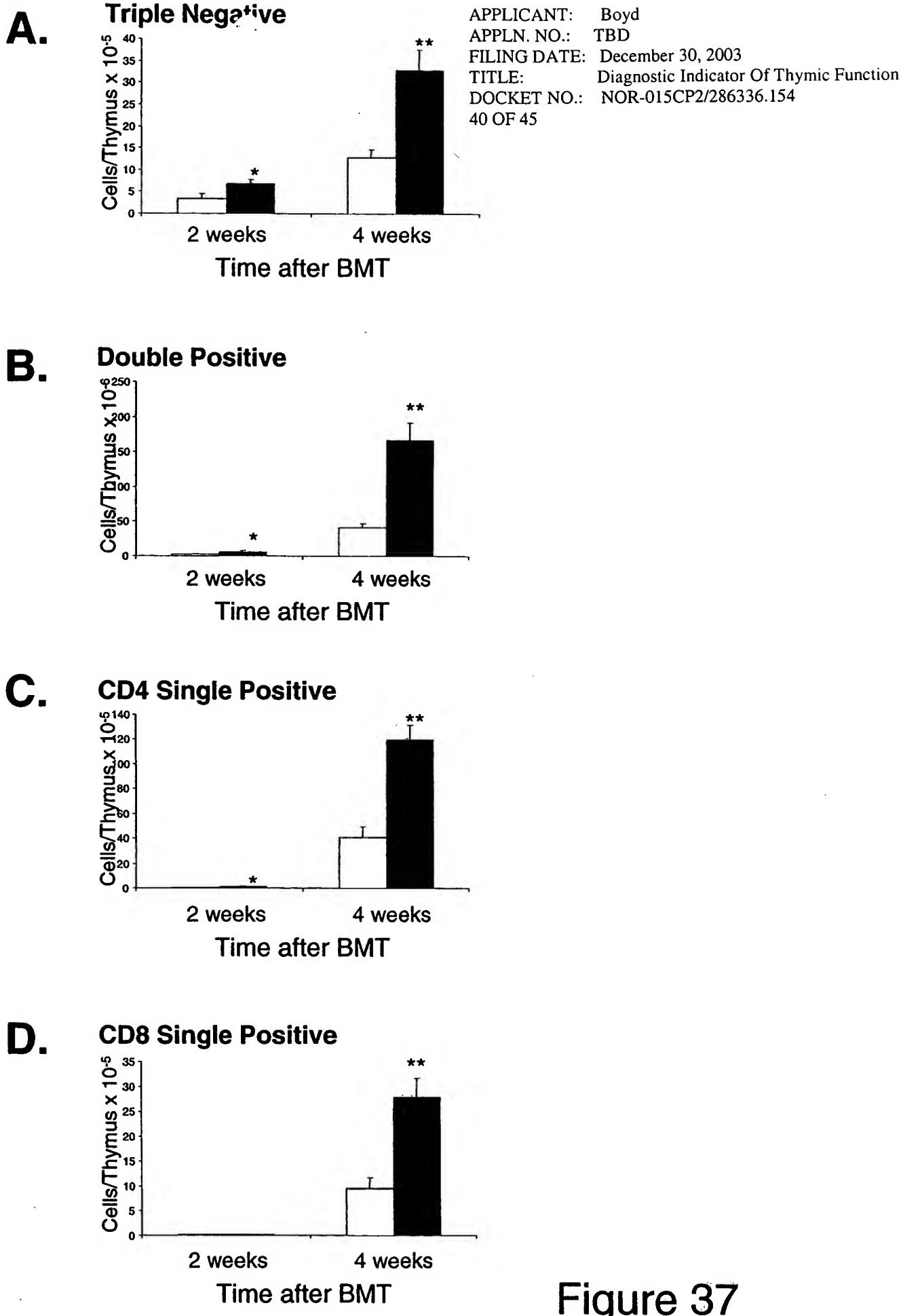
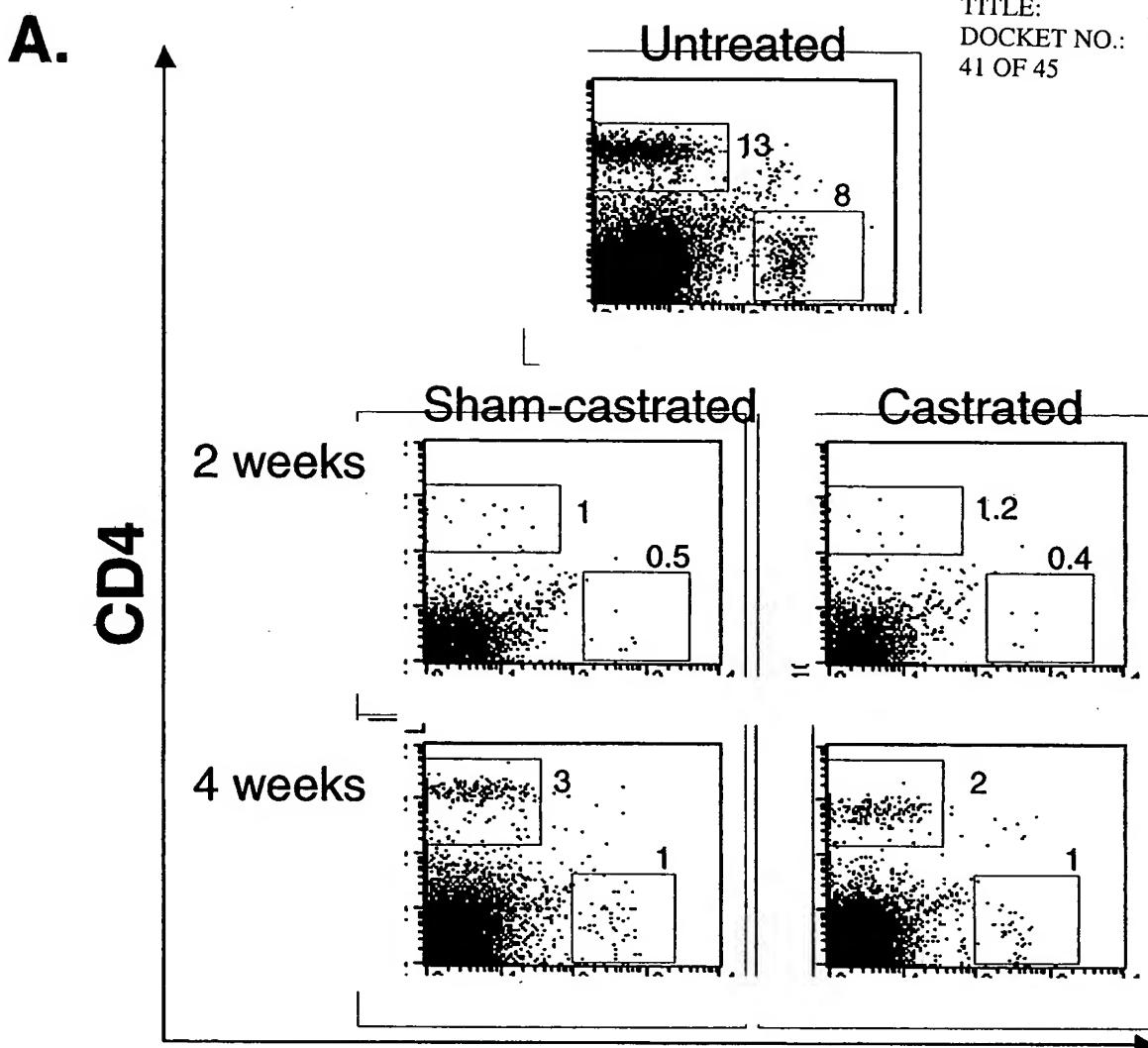


Figure 37



CD8

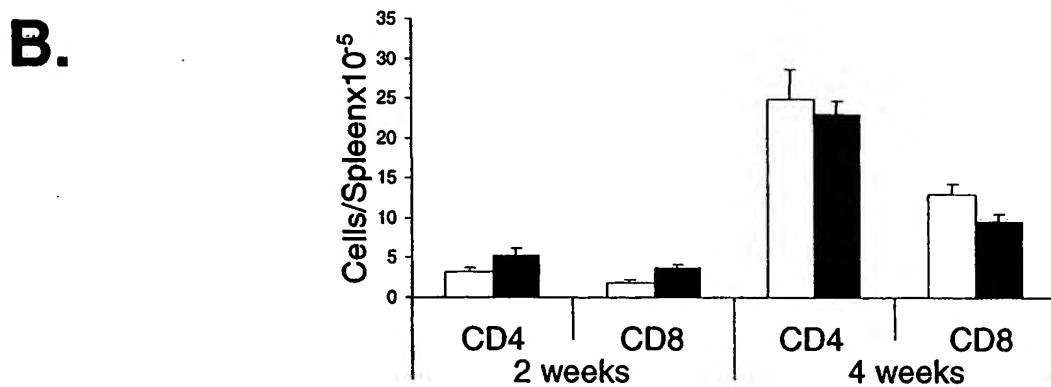


Figure 38

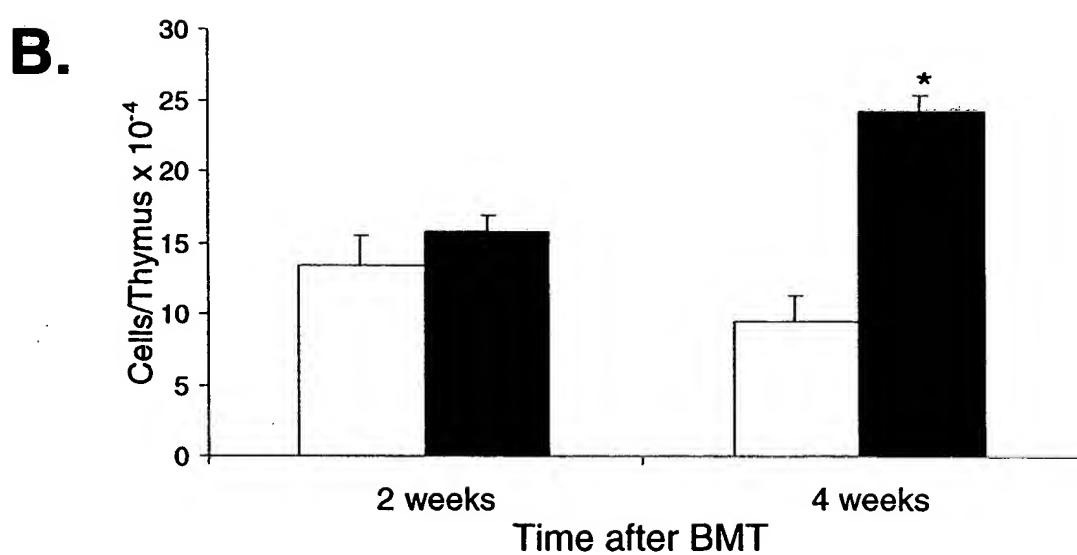
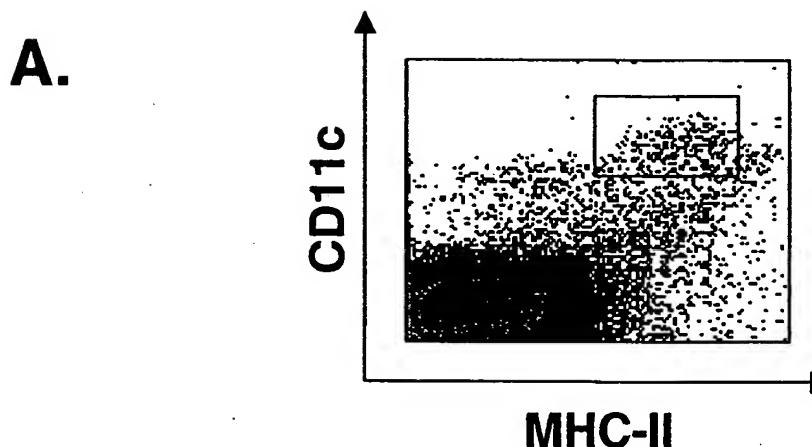


Figure 39

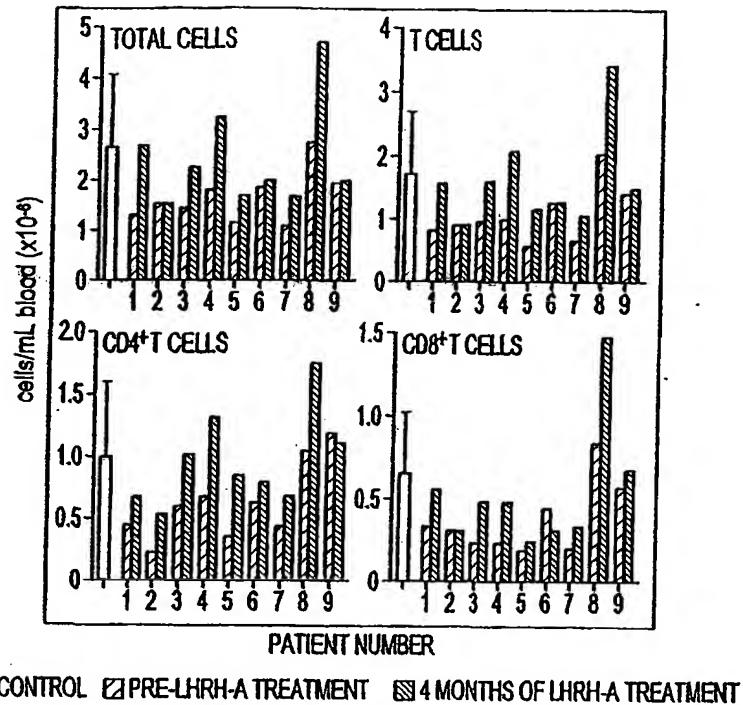


Figure 40

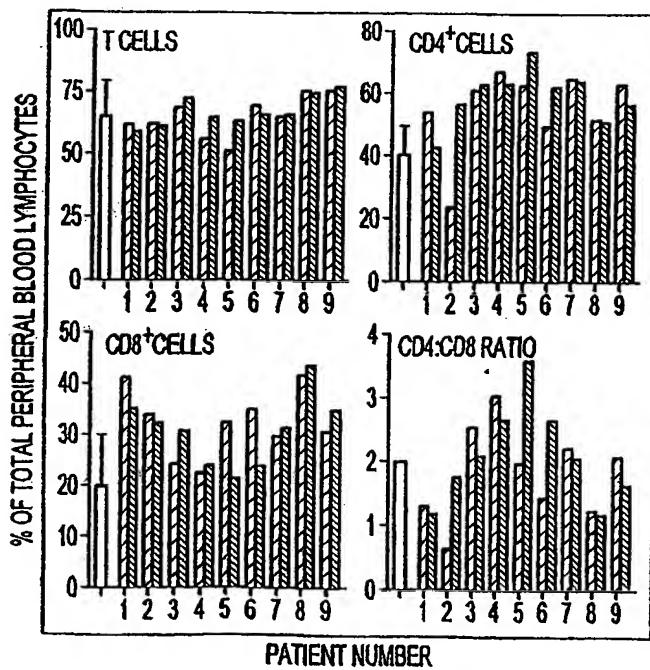


Figure 41

APPLICANT: Boyd
 APPN. NO.: TBD
 FILING DATE: December 30, 2003
 TITLE: Diagnostic Indicator Of Thymic Function
 DOCKET NO.: NOR-015CP2/286336.154
 44 OF 45

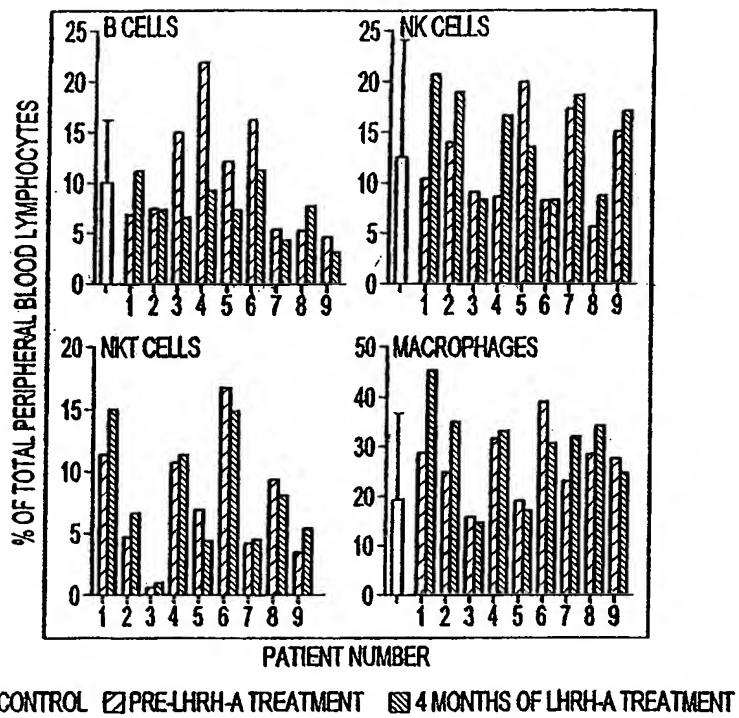


Figure 42

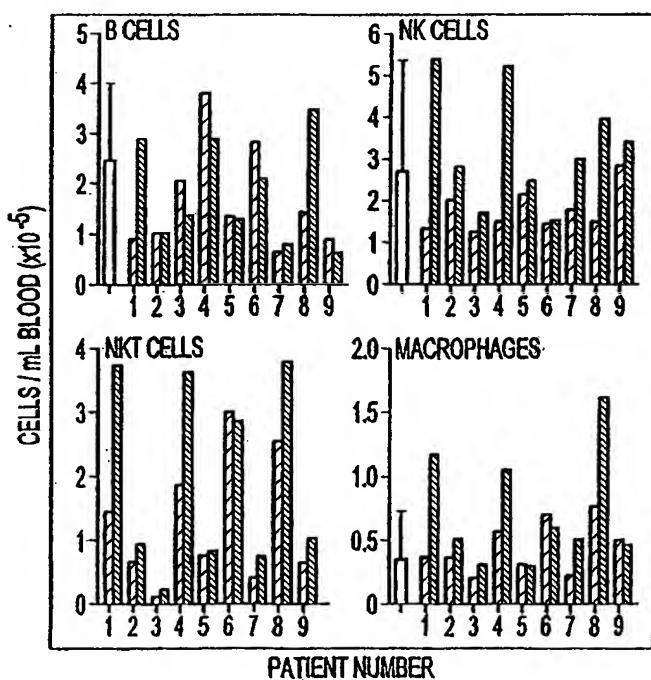


Figure 43

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Diagnostic Indicator Of Thymic Function
DOCKET NO.: NOR-015CP2/286336.154
45 OF 45

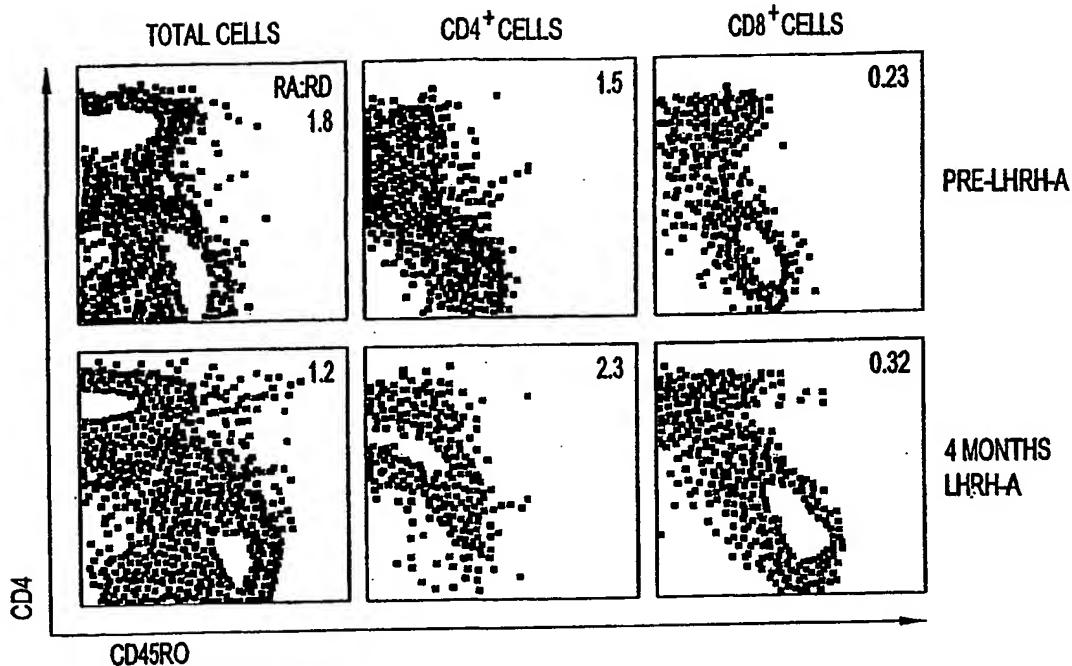


Figure 44A

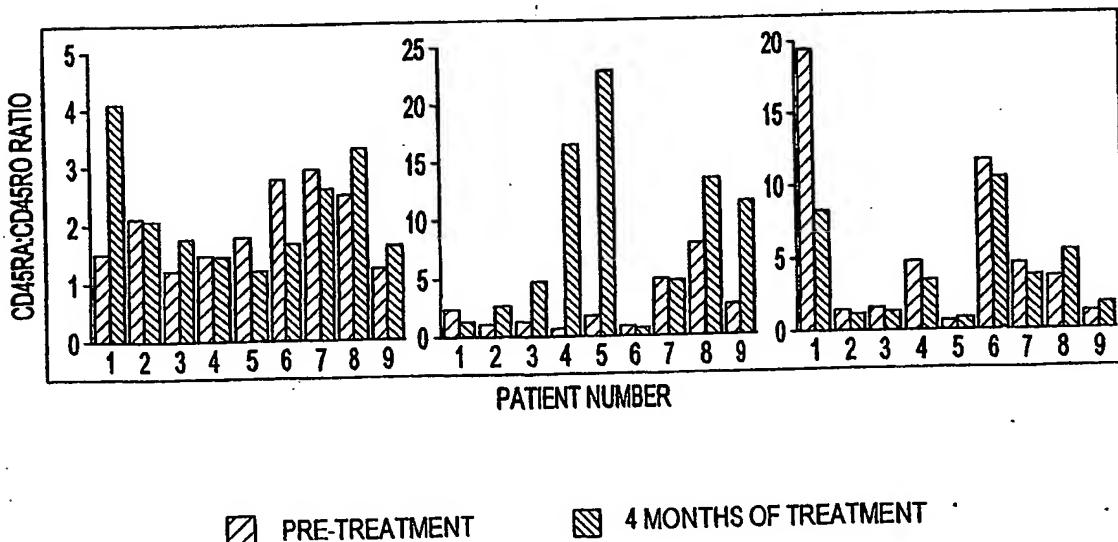


Figure 44B